

Planning Database with 2010 Census and 2015 – 2019 American Community Survey Data

At the Block Group Level

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Statement of Purpose

The 2021 Block-Group Level Planning Database (also called the PDB) is a dataset that contains a range of housing, demographic, socioeconomic, and census operational data. These data have been extracted from 2010 Census and 2015-2019 American Community Survey (ACS) data sources, and summarized for all block groups in the country and the territory of Puerto Rico. The PDB is generally updated annually and made publicly available. The prior version was the 2020 PDB, which was created using 2014-2018 American Community Survey data.

The PDB can be used in many ways, including:

- Identifying areas where special outreach and promotion efforts could be considered
- Linking spatial map data files to create thematic maps
- Generating reports, cross tabulations, and simple analyses
- Planning recruitment activities by Regional Census Centers, and Local Census Offices
- Educational purposes

History

In 1987, the first documentation of elements for developing a “Planning Database” was written by Antonio Bruce at the Census Bureau¹. Discussion continued in the 1990s, and the first completed PDB was a county-level dataset during this decade which was not publicly released. After the 2000 Census, an updated “2000 PDB” was the first to become publicly available, and contained data from the 2000 Census at the tract level². This PDB contained 48 variables for 65,184 tracts; these included total counts for population and housing units, various percentages for housing and demographic characteristics, mail return rates, and a derived metric known as the “Hard To Count (HTC)” score³. The HTC score summarizes the attributes of each tract in terms of enumeration difficulty.

After the 2010 Census, an updated version of the file was created, referred to as the 2012 PDB. This differed from the 2000 PDB in that it contained data from the 2010 decennial census, including operational variables such as the 2010 mail return rate, and that the data was provided at the block group level rather than tract level⁴. In addition, it included American Community Survey (ACS) estimates based on 5-year data from 2006-2010, along with margins of error for each estimate. Thus, the 2012 PDB updated and expanded the data from the 2000 PDB, with a new total of 179 variables for 220,335 block groups.

¹ Bruce, Antonio. 1987. “Identifying Hard-to-Enumerate Areas: Preliminary Research and Evaluation”, unpublished paper, Washington, D.C., U.S. Bureau of the Census.

² Census tracts are small, relatively permanent statistical subdivisions of a county or equivalent entity that are updated by local participants prior to each decennial census and generally have a population size between 1,200 and 8,000 people. These are divided into census block groups, which are in turn divided into blocks. Each of these terms and others are defined in a Census glossary located at <https://www.census.gov/programs-surveys/geography/about/glossary.html>.

³ The set of algorithms used to define HTC score is listed in the documentation for the 2000 PDB, located at <https://www2.census.gov/programs-surveys/research/guidance/planning-databases/2000/pdb-tract-2000.pdf>.

⁴ Block groups are statistical divisions of census tracts and generally contain between 300 and 6,000 people.

Starting in 2014, the PDB has been updated and released each year (except 2017) at both the tract and block group levels. Also, starting in 2018, each version of the PDB has been provided through a Census Application Programming Interface (API)⁵. The exact number of variables, tracts, or block groups has varied in each version of the PDB. However, each version has contained data from the 2010 Census and the most recent 5-year ACS data available.

One new statistic beginning in 2014 was the replacement of the HTC score with the “Low Response Score” (LRS). The LRS is a predicted value of self-response at the tract level. Results were used for geographic targeting of outreach efforts. Other ACS variable names and definitions may change between years as well. Changes in ACS variable names and definitions for the 2021 PDB are described in more detail in Appendix E.

An additional categorical variable was added in 2019 for the tract level PDB known as the “Segmentation Profile;” each category for this variable identifies census tracts with similar predicted self-response behavior and similar demographic variables associated with self-response. Another addition to the 2019 PDB at the tract level was the ACS self-response rate; the Census Bureau plans to add this statistic based on the latest 5-year ACS data going forward. Finally, a special one-time release of the 2020 PDB was issued at the state and county level.

Limitations of the Data

Data contained in the 2021 PDB are subject to nonsampling error. In addition, the ACS data are also subject to sampling error. Both of these are described in more detail in Appendix A.

Also, the 2021 PDB is based on geographical boundaries from the 2010 Census, but boundaries are subject to change over time; this makes it difficult to properly pair decennial data with ACS data when boundaries change. Changes in geographical boundaries are described in more detail in Appendix D.

⁵ More information about the Census API is provided at <https://www.census.gov/developers/>. More information about the Planning Database API is provided at <https://www.census.gov/data/developers/data-sets/planning-database.html>.

File Structure of the Database

The 2021 PDB is available in a .CSV format, as well as in API. The data file contains 220,357 total observations. Users should take caution when saving the entire .CSV file as an Excel workbook because of Excel's row number limit. The first row of the data file contains variable numbers for each column that can be used to match the variable names against the variable numbers used in this document. The value of cells in the PDB may not be shown for tracts containing small populations or few housing units; cells with missing data are denoted by blank values. Data suppression of ACS estimates limits the disclosure of information about individual respondents and reduces the number of estimates with unacceptable levels of statistical reliability. More information about data suppression in ACS data can be found here: <https://www.census.gov/programs-surveys/acs/technical-documentation/data-suppression.html>.

The 2021 PDB contains data from four major source files:

1. 2010 Census data* – Population and housing
2. 2015 – 2019 5-year ACS sample data* – Population, housing, and socioeconomic
3. 2010 Census operational data* – Mail returns by type of enumeration area, which can be used to generate the return and response rates. Return rates are included in this file.

**“Statistics downloaded from American FactFinder or data.census.gov receive clearances from the Disclosure Review Board before being posted. No clearance number is required at this time for such information products.”*

The first 188 variables in the 2021 PDB are estimates directly taken or derived from the three sources mentioned above. The remaining variables are estimated percentages calculated by dividing estimates by their given denominator. All percentages were calculated using variables in this file, and the accompanying MOEs were calculated using the method published in Appendix 3 of *A Compass for Understanding and Using American Community Survey Data: What General Data Users Need to Know* (<https://www.census.gov/content/dam/Census/library/publications/2008/acs/ACSGeneralHandbook.pdf>).

Key Operational Statistics

While all variables in the 2021 PDB may be used for statistical analyses, there are two that may draw particular interest for operational planning and evaluations:

1. 2010 Census Mail Return Rate (*Mail_Return_Rate_CEN_2010*): The number of 2010 Census mail returns received in a tract, out of the total number of valid occupied housing units (HUs) in the Mailout/Mailback universe which excludes deleted, vacant, or units identified as undeliverable as addressed.
2. Prediction of Low Census Mail Return Rate (*Low_Response_Score*): A score predicting that a tract will produce a low Census mail return rate, based on a statistical model updated yearly and based on several predictor variables.

Depending on their goals, researchers may prefer to use one of these over the other in their statistical analyses, and there are tradeoffs between the two variables. The 2010 Census Mail Return Rate is based on the 2010 Census, and the Low Response Score (LRS) is based on a statistical model which gets updated yearly and is inversely related to the 2010 Census Mail Return Rate. Some geographies in the PDB do not have any LRS value, if they lack a 2010 Census valid mailback count or nonzero population based on ACS data, or due to boundary changes since Census 2010. A discussion of the LRS methodology can be found in “The Low Response Score (LRS): A Metric to Locate, Predict, and Manage Hard-to-Survey Populations,” found here:

https://www.census.gov/content/dam/Census/topics/research/erdman_bates_2017.pdf.

Description of Variables in the Database

This section contains descriptions of all variables in the 2021 PDB at the block group level. For readers and data users interested in more details for these variables, additional documentation for the decennial data can be found in Appendices A and B of the *2010 Census Summary File 2 Technical Documentation* (<http://www.census.gov/prod/cen2010/doc/sf2.pdf>), and for ACS data, documentation can be found in “the *American Community Survey and Puerto Rico Community Survey 2018 Subject Definitions* (https://www2.census.gov/programs-surveys/acs/tech_docs/subject_definitions/2018_ACSSubjectDefinitions.pdf). In addition, for changes in ACS variable names and definitions between the 2021 PDB and previous versions, see Appendix E at the end of this document.

1. **Level of Geography:** The PDB contains one record per block group. Except where noted, counts enable the user to aggregate the data to the block group level or to higher units of geography. When aggregating to higher geographies, the user should be aware that block groups with missing values may not be represented in the resulting summary.
2. **Counts versus Percents:** While both count estimates and percentage estimates have been provided, the appropriate variables to be used as denominators when calculating percentages from count variables are noted.
3. **Median values:** Selected median values are also provided. A blank percentage value indicates that the numerator or denominator used in its calculation was missing, or the denominator had a value of zero. Median household income and median house value are provided for the block group and for the tract in which the block group is located.
4. **Census versus ACS variables:** For variables in which both census and ACS estimates are available, both are provided. Because the PDB is updated annually, the ACS estimates show estimated change in these measures since 2010 as the decade progresses. The 2015 – 2019 ACS 5-year estimates are based on data collected between January 2015 and December 2019. They represent average characteristics over the 5-year period, and thus have a larger sample size than 1-year ACS estimates but are less current than 1-year ACS estimates. Sources of all variables are indicated; “2010 Census” refers to data items from the 2010 decennial census, and “ACS” refers to ACS data items asked of the persons and housing units in the 2015 to 2019 ACS samples.

5. Margin of Error: ACS estimates appear with the margin of error (MOE) associated with the estimate. Some custom measures were created by aggregating published estimates; the MOEs of such aggregates were derived from published MOEs and may differ from MOEs in other data products. Variable labels indicate which MOEs were derived. Please see Appendix A. Margin of Error Calculations of this document for more information about how these derived MOEs were calculated and how to calculate MOEs when creating custom aggregate estimates.
6. Low Response Score: In addition to the decennial and ACS variables, the composite LRS variable is provided. A discussion of the LRS methodology can be found in “The Low Response Score (LRS): A Metric to Locate, Predict, and Manage Hard-to-Survey Populations,” found here: https://www.census.gov/content/dam/Census/topics/research/erdman_bates_2017.pdf.
7. Place and Time: The geographic vintage of the block groups and tracts in this file are from 2010 Census geography. “Census geography” refers to the basic geographic data associated with the items. The Census Bureau updates geographic identifiers and boundaries between censuses in rare instances. Data from the 2015 – 2019 ACS 5-year estimates use the most recent geographic identifiers, and a handful of geographies could not be matched between vintages. More information about geographic variables can be found in Appendix D of this document, as well as here: <https://www.census.gov/programs-surveys/geography/about/glossary.html>.

Block groups deemed uninhabitable are indicated with the Flag variable. These block groups have a zero census population but, due to the nature of the ACS estimates, may contain ACS population estimates.

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
		GEOGRAPHY VARIABLES				
1	GIDBG	State/County/Tract/BG - A 12 digit code. The first two digits denote State, the next three digits denote County, the next six digits denote Tract, and the last digit denotes Block Group.	A 12 digit code including State/County/Tract/BG where the first two digits denote State, the next three digits denote County, the next six digits denote Tract, and the last digit denotes Block Group.	Block group	Census geography	
2	State	State (FIPS Code) - 2-digit code	FIPS code of State or statistically equivalent entity (Puerto Rico, D.C., American Samoa, Commonwealth of Northern Mariana Islands, Guam, U.S. Virgin Islands)	Block group	Census geography	
3	State_name	State Name	Name of State or statistically equivalent entity (Puerto Rico, D.C., American Samoa, Commonwealth of Northern Mariana Islands, Guam, U.S. Virgin Islands)	Block group	Census geography	
4	County	County (FIPS Code) - 3-digit code	FIPS code of county (primary legal division of a state) or statistically equivalent entity	Block group	Census geography	
5	County_name	ST-CO-Name	Name of County or statistically equivalent entity	Block group	Census geography	
6	Tract	Census Tract - 6-digit code	Subdivision of a County or statistically equivalent entity (0 to over 25,000 people per Tract with an average size of 4,200)	Tract	Census geography	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
7	Block_Group	Census Block Group - 1 digit code	Group of Blocks within the same Census Tract (0 to over 25,000 people per Block Group with an average size of 1,400)	Block group	Census geography	
8	Flag	Block Group area with block group code 0 (zero), representing areas that are not habitable	If a Block Group contains only uninhabitable land, this variable is filled. Otherwise, this variable is blank.	Block group	Census geography	
9	LAND_AREA	Land area (sq.mi.)	Land area of geographical entity in square miles	Block group	Census geography	
10	AIAN_LAND	Block Group land area is located on any part of an American Indian, Alaska Native, or Native Hawaiian area	If the Block Group land area is located on any part of an American Indian, Alaska Native, or Native Hawaiian area, then this variable has a value of 1. Otherwise, this variable has a value of 0.	Block group	Census geography	
11	URBANIZED_AREA_POP_CEN_2010	Population living in Area defined as an Urbanized Area (50,000 or greater) in the 2010 Census	Population living in a densely settled area containing 50,000 or more people	Block group	2010 Census	Tot_Population_CEN_2010
12	URBAN_CLUSTER_POP_CEN_2010	Population living in Area defined as an Urban Cluster Area (2,500-49,999) in the 2010 Census	Population living in a densely settled area containing 2,500 to 49,999 people	Block group	2010 Census	Tot_Population_CEN_2010
13	RURAL_POP_CEN_2010	Population living in Area outside of an Urban Area or Urban Cluster in the 2010 Census	Population living outside of an Urbanized Area or Urban Cluster	Block group	2010 Census	Tot_Population_CEN_2010
		POPULATION VARIABLES				
14	Tot_Population_CEN_2010	Total population in the 2010 Census	U.S. resident population includes everyone whose usual place of residence was in the block group at the time of the 2010 Census	Persons	2010 Census	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
15	Tot_Population_ACS_15_19	Total Population in the ACS	U.S. resident population includes everyone who meets the ACS residence rules in the block group at the time of the ACS interview	Persons	ACS	
16	Tot_Population_ACSMOE_15_19	MOE - Total Population	Margin of Error for Total Population	Persons	ACS	
17	Males_CEN_2010	Number of Males in the 2010 Census	Number of Males in 2010 Census Total Population	Persons	2010 Census	Tot 2010 Census Pop
18	Males_ACS_15_19	Number of Males in the ACS	Number of Males in ACS Total Population	Persons	ACS	Tot ACS Pop
19	Males_ACSMOE_15_19	MOE - Number of Males	Margin of Error for Number of Males	Persons	ACS	
20	Females_CEN_2010	Number of Females in the 2010 Census	Number of Females in 2010 Census Total Population	Persons	2010 Census	Tot 2010 Census Pop
21	Females_ACS_15_19	Number of Females in the ACS	Number of Females in ACS Total Population	Persons	ACS	Tot ACS Pop
22	Females_ACSMOE_15_19	MOE - Number of Females	Margin of Error for Number of Females	Persons	ACS	
23	Median_Age_ACS_15_19	Median Age in the ACS	Median age of block group for ACS	Persons	ACS	
24	Median_Age_ACSMOE_15_19	MOE - Median Age	Margin of Error for the median age of the block group	Persons	ACS	
25	Pop_under_5_CEN_2010	Persons less than age 5 in the 2010 Census	Number of persons under age 5 as of April 1, 2010	Persons	2010 Census	Tot 2010 Census Pop
26	Pop_under_5_ACS_15_19	Persons less than age 5 in the ACS	Number of persons under age 5 at the time of the ACS interview	Persons	ACS	Tot ACS Pop
27	Pop_under_5_ACSMOE_15_19	MOE - Persons less than age 5 (Derived)	Margin of Error for Persons less than age 5	Persons	ACS	
28	Pop_5_17_CEN_2010	Persons ages 5 to 17 in the 2010 Census	Number of persons ages 5 to 17 as of April 1, 2010	Persons	2010 Census	Tot 2010 Census Pop

29	Pop_5_17_ACS_15_19	Persons ages 5 through 17 in the ACS	Number of persons ages 5 to 17 at the time of the ACS interview	Persons	ACS	Tot ACS Pop
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Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
30	Pop_5_17_ACSMOE_15_19	MOE - Persons ages 5 through 17	Margin of Error for Persons ages 5 to 17	Persons	ACS	
31	Pop_18_24_CEN_2010	Persons ages 18 to 24 in the 2010 Census	Number of persons ages 18 to 24 as of April 1, 2010	Persons	2010 Census	Tot 2010 Census Pop
32	Pop_18_24_ACS_15_19	Persons ages 18 through 24 in the ACS	Number of persons ages 18 to 24 at the time of the ACS interview	Persons	ACS	Tot ACS Pop
33	Pop_18_24_ACSMOE_15_19	MOE - Persons ages 18 through 24 (Derived)	Margin of Error for Persons ages 18 to 24	Persons	ACS	
34	Pop_25_44_CEN_2010	Persons ages 25 to 44 in the 2010 Census	Number of persons ages 25 to 44 as of April 1, 2010	Persons	2010 Census	Tot 2010 Census Pop
35	Pop_25_44_ACS_15_19	Persons ages 25 through 44 in the ACS	Number of persons ages 25 to 44 at the time of the ACS interview	Persons	ACS	Tot ACS Pop
36	Pop_25_44_ACSMOE_15_19	MOE - Persons ages 25 through 44 (Derived)	Margin of Error for Persons ages 25 to 44	Persons	ACS	
37	Pop_45_64_CEN_2010	Persons ages 45 to 64 in the 2010 Census	Number of persons ages 45 to 64 as of April 1, 2010	Persons	2010 Census	Tot 2010 Census Pop
38	Pop_45_64_ACS_15_19	Persons ages 45 through 64 in the ACS	Number of persons ages 45 to 64 at the time of the ACS interview	Persons	ACS	Tot ACS Pop
39	Pop_45_64_ACSMOE_15_19	MOE - Persons ages 45 through 64 (Derived)	Margin of Error for Persons ages 45 to 64	Persons	ACS	
40	Pop_65plus_CEN_2010	Persons ages 65 and over in the 2010 Census	Number of persons age 65 and over as of April 1, 2010	Persons	2010 Census	Tot 2010 Census Pop
41	Pop_65plus_ACS_15_19	Persons ages 65 or more in the ACS	Number of persons age 65 and over at the time of the ACS interview	Persons	ACS	Tot ACS Pop
42	Pop_65plus_ACSMOE_15_19	MOE - Persons ages 65 or more	Margin of Error for Persons ages 65 and over	Persons	ACS	
43	Tot_GQ_CEN_2010	Total Group Quarters Population in the 2010 Census	Number of people living or staying in a group living arrangement owned by an entity providing housing to residents, who are usually unrelated, as of April 1, 2010	Persons	2010 Census	Tot 2010 Census Pop

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
44	Inst_GQ_CEN_2010	Institutional Group Quarters Population in the 2010 Census	Number of those in group quarters primarily ineligible, unable, or unlikely to participate in labor force while residents. Institutional group quarters include correctional facilities for adults, juvenile facilities, nursing facilities, and other institutional facilities.	Persons	2010 Census	Tot 2010 Census Pop
45	Non_Inst_GQ_CEN_2010	Non-Institutional Group Quarters Population in the 2010 Census	Number of those in group quarters primarily eligible, able, or likely to participate in labor force while residents. Noninstitutional group quarters include college/university student housing, military quarters, and other noninstitutional facilities.	Persons	2010 Census	Tot 2010 Census Pop
46	Hispanic_CEN_2010	Hispanic Origin in the 2010 Census	Number of people who identify as "Mexican", "Puerto Rican", "Cuban", or "another Hispanic, Latino, or Spanish origin" in the 2010 Census population	Persons	2010 Census	Tot 2010 Census Pop
47	Hispanic_ACS_15_19	Hispanic Origin in the ACS	Number of people who identify as "Mexican", "Puerto Rican", "Cuban", or "another Hispanic, Latino, or Spanish origin" in the ACS population	Persons	ACS	Tot ACS Pop
48	Hispanic_ACSMOE_15_19	MOE - Hispanic Origin Population	Margin of Error of Hispanic Origin Population	Persons	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
49	NH_White_alone_CEN_2010	White alone, not Hispanic or Latino population in the 2010 Census	Number of people who indicate no Hispanic origin and their only race as "White" or report entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian in the 2010 Census population	Persons	2010 Census	Tot 2010 Census Pop
50	NH_White_alone_ACS_15_19	White alone, not Hispanic or Latino population in the ACS	Number of people who indicate no Hispanic origin and their only race as "White" or report entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian in the ACS population	Persons	ACS	Tot ACS Pop
51	NH_White_alone_ACSMOE_15_19	MOE - White alone, not Hispanic or Latino population	Margin of Error of Non-Hispanic White only	Persons	ACS	
52	NH_Blkg_alone_CEN_2010	Black or African American alone, not Hispanic or Latino population in the 2010 Census	Number of people who indicate no Hispanic origin and their only race as "Black, African Am., or Negro" or report entries such as African American, Kenyan, Nigerian, or Haitian in the 2010 Census population	Persons	2010 Census	Tot 2010 Census Pop
53	NH_Blkg_alone_ACS_15_19	Black or African American alone, not Hispanic or Latino population in the ACS	Number of people who indicate no Hispanic origin and their only race as "Black, African Am., or Negro" or report entries such as African American, Kenyan, Nigerian, or Haitian in the ACS population	Persons	ACS	Tot ACS Pop
54	NH_Blkg_alone_ACSMOE_15_19	MOE - Black or African American alone, not Hispanic or Latino population	Margin of Error of Non-Hispanic Black or African-American only	Persons	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
55	NH_AIAN_alone_CEN_2010	American Indian and Alaska Native alone, not Hispanic or Latino population in the 2010 Census	Number of people who indicate no Hispanic origin and their only race as "American Indian or Alaska Native" or report entries such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central/South American Indian groups in the 2010 Census population	Persons	2010 Census	Tot 2010 Census Pop
56	NH_AIAN_alone_ACS_15_19	American Indian and Alaska Native alone, not Hispanic or Latino population in the ACS	Number of people who indicate no Hispanic origin and their only race as "American Indian or Alaska Native" or report entries such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central/South American Indian groups in the ACS population	Persons	ACS	Tot ACS Pop
57	NH_AIAN_alone_ACSMOE_15_19	MOE - American Indian and Alaska Native alone, not Hispanic or Latino population	Margin of Error of Non-Hispanic American Indian and Alaska Native only	Persons	ACS	
58	NH_Asian_alone_CEN_2010	Asian alone, not Hispanic or Latino population in the 2010 Census	Number of people who indicate no Hispanic origin and their only race as "Asian Indian", "Chinese", "Filipino", "Korean", "Japanese", "Vietnamese", or "Other Asian" in the 2010 Census population	Persons	2010 Census	Tot 2010 Census Pop
59	NH_Asian_alone_ACS_15_19	Asian alone, not Hispanic or Latino population in the ACS	Number of people who indicate no Hispanic origin and their only race as "Asian Indian", "Chinese", "Filipino", "Korean", "Japanese", "Vietnamese", or "Other Asian" in the ACS population	Persons	ACS	Tot ACS Pop

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
60	NH_Asian_alone_ACSMOE_15_19	MOE - Asian alone, not Hispanic or Latino population	Margin of Error of Non-Hispanic Asian only	Persons	ACS	
61	NH_NHOPI_alone_CEN_2010	Native Hawaiian and Other Pacific Islander alone, not Hispanic or Latino population in the 2010 Census	Number of people who indicate no Hispanic origin and their only race as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", or "Other Pacific Islander" in the 2010 Census population	Persons	2010 Census	Tot 2010 Census Pop
62	NH_NHOPI_alone_ACS_15_19	Native Hawaiian and Other Pacific Islander alone, not Hispanic or Latino population in the ACS	Number of people who indicate no Hispanic origin and their only race as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", or "Other Pacific Islander" in the ACS population	Persons	ACS	Tot ACS Pop
63	NH_NHOPI_alone_ACSMOE_15_19	MOE - Native Hawaiian and Other Pacific Islander alone, not Hispanic or Latino population	Margin of Error of Non-Hispanic Native Hawaiian and Other Pacific Islander only	Persons	ACS	
64	NH_SOR_alone_CEN_2010	Some other race alone, not Hispanic or Latino population in the 2010 Census	Number of people who indicate no Hispanic origin and their race as other than "White", "Hispanic", "Black or African American", "American Indian or Alaska Native", "Asian", and "Native Hawaiian or Other Pacific Islander" in the 2010 Census population	Persons	2010 Census	Tot 2010 Census Pop

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
65	NH_SOR_alone_ACS_15_19	Some other race alone, not Hispanic or Latino population in the ACS	Number of people who indicate no Hispanic origin and their race as other than "White", "Hispanic", "Black or African American", "American Indian or Alaska Native", "Asian", and "Native Hawaiian or Other Pacific Islander" in the ACS population	Persons	ACS	Tot ACS Pop
66	NH_SOR_alone_ACSMOE_15_19	MOE - Some other race alone, not Hispanic or Latino population	Margin of Error of Non-Hispanic Some other Race only	Persons	ACS	
67	Pop_5yrs_Over_ACS_15_19	Population 5 years and over (denominator for language) in the ACS	Number of people ages 5 years and over at time of interview in the ACS population	Persons	ACS	Tot ACS Pop
68	Pop_5yrs_Over_ACSMOE_15_19	MOE - Total Population aged 5 and older	Margin of Error of Population 5 years and over	Persons	ACS	
69	Othr_Lang_ACS_15_19	Population 5 years and older that speak a language other than English at home in the ACS	Number of people ages 5 years and over at the time of interview that speak a language other than English at home in the ACS population	Persons	ACS	ACS Pop 5+ Years
70	Othr_Lang_ACSMOE_15_19	MOE - Population 5 years and older that speak a language other than English at home (Derived)	Margin of Error of Population 5 years and over that speak a language other than English at home	Persons	ACS	
71	Pop_25yrs_Over_ACS_15_19	Number of people 25 years old and over (denominator for educ. attainment) in the ACS	Number of people ages 25 years and over at time of interview in the ACS population	Persons	ACS	Tot ACS Pop
72	Pop_25yrs_Over_ACSMOE_15_19	MOE - Number of people 25 years old and over	Margin of Error of Number of people 25 years old and over	Persons	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
73	Not_HS_Grad_ACS_15_19	Number of people 25 years old and over who are not high school graduates (received diploma or equivalent) in the ACS	Number of people ages 25 years and over at time of interview who are not high school graduates and have not received a diploma or the equivalent in the ACS population	Persons	ACS	ACS Pop 25+
74	Not_HS_Grad_ACSMOE_15_19	MOE - Number of people 25 years old and over who are not high school graduates (received diploma or equivalent) (Derived)	Margin of Error of Number of people 25 years old and over who are not high school graduates	Persons	ACS	
75	College_ACS_15_19	Persons 25+ with Bachelor's degree or higher in the ACS	Number of people ages 25 years and over at time of interview with a college degree or higher in the ACS population	Persons	ACS	ACS Pop 25+
76	College_ACSMOE_15_19	MOE - Persons 25+ with Bachelor's degree or higher (Derived)	Margin of Error of Persons 25+ with college degree or higher	Persons	ACS	
77	Pov_Univ_ACS_15_19	Population for whom poverty level is determined (denominator for persons blw pov.) in the ACS	Number of people excluding institutionalized people, people in military group quarters, people in college dormitories, and unrelated individuals under 15 years old in the ACS	Persons	ACS	Tot ACS Pop
78	Pov_Univ_ACSMOE_15_19	MOE - Population for whom poverty level is determined	Margin of Error for Population for whom poverty level is determined	Persons	ACS	
79	Prs_Blw_Pov_Lev_ACS_15_19	Number of people classified as below the poverty level in the ACS	Number of people classified as below the poverty level given their total family or household income within the last year, family size, and family composition in the ACS population	Persons	ACS	ACS Poverty Universe
80	Prs_Blw_Pov_Lev_ACSMOE_15_19	MOE - Number of people classified as below the poverty level (Derived)	Margin of Error of Number of people classified as below the poverty level	Persons	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
81	One_Health_Ins_ACS_15_19	Number of people with one type of health insurance coverage in the ACS	Number of people who have one type of health insurance coverage, including public or private insurance, in the ACS population	Persons		
82	One_Health_Ins_ACSMOE_15_19	MOE - Number of people with one type of health insurance coverage (Derived)	Margin of Error of Number of people who have one type of health insurance coverage	Persons		
83	Two_Plus_Health_Ins_ACS_15_19	Number of people with two or more types of health insurance coverage in the ACS	Number of people who have two or more types of health insurance at the same time, in the ACS population	Persons		
84	Two_Plus_Health_Ins_ACSMOE_15_19	MOE - Number of people with two or more types of health insurance coverage (Derived)	Margin of Error of Number of people who have two or more types of health insurance coverage	Persons		
85	No_Health_Ins_ACS_15_19	Number of people with no health insurance coverage in the ACS	Number of people who have no health insurance coverage, public or private, in the ACS population	Persons		
86	No_Health_Ins_ACSMOE_15_19	MOE - Number of people with no health insurance coverage (Derived)	Margin of Error of Number of people who have no health insurance coverage	Persons		
87	Pop_1yr_Over_ACS_15_19	Number of People 1 year old and over (denominator for Diff HU 1 year) in the ACS	Number of people ages 1 year and over at time of interview in the ACS population	Persons	ACS	Tot ACS Pop
88	Pop_1yr_Over_ACSMOE_15_19	MOE - Number of People 1 year old and over (Derived)	Margin of Error for Number of people 1 year old and over	Persons	ACS	
89	Diff_HU_1yr_Ago_ACS_15_19	Different House One Year Ago in the ACS	Number of people who moved from another residence in the U.S. or Puerto Rico within the last year in the ACS population	Persons	ACS	ACS Pop 1 year or over
90	Diff_HU_1yr_Ago_ACSMOE_15_19	MOE - Different House One Year Ago (Derived)	Margin of Error of Different house one year ago	Persons	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
		HOUSEHOLD VARIABLES				
91	ENG_VW_SPAN_ACS_15_19	Spanish - No one 14 and over speaks English only or speaks English "very well" (Use Tot ACS Occ HU as denominator) in the ACS	Number of ACS households where a Spanish or Spanish Creole language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	Tot ACS occupied HUs
92	ENG_VW_SPAN_ACSMOE_15_19	MOE - Spanish - No one 14 and over speaks English only or speaks English "very well"	Margin of Error of Spanish-No one 14 and over speaks English only or speaks English "very well"	Households	ACS	
93	ENG_VW_INDO_EURO_ACS_15_19	INDO EURO - No one 14 and over speaks English only or speaks English "very well" (Use Tot ACS Occ HU as denominator) in the ACS	Number of ACS households where an Indo-European language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	Tot ACS occupied HUs
94	ENG_VW_INDO_EURO_ACSMOE_15_19	MOE - INDO EURO - No one 14 and over speaks English only or speaks English "very well"	Margin of Error of INDO EURO -No one 14 and over speaks English only or speaks English "very well"	Households	ACS	
95	ENG_VW_API_ACS_15_19	Asian PI - No one 14 and over speaks English only or speaks English "very well" (Use Tot ACS Occ HU as denominator) in the ACS	Number of ACS households where an Asian and Pacific Island language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	Tot ACS occupied HUs
96	ENG_VW_API_ACSMOE_15_19	MOE - Asian PI - No one 14 and over speaks English only or speaks English "very well"	Margin of Error of API-No one 14 and over speaks English only or speaks English "very well"	Households	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
97	ENG_VW_OTHER_ACS_15_19	Other - No one 14 and over speaks English only or speaks English "very well" (Use Tot ACS Occ HU as denominator) in the ACS	Number of ACS households where a language other than English, Spanish, Indo-Euro, or API was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	Tot ACS occupied HUs
98	ENG_VW_OTHER_ACSMOE_15_19	MOE - Other - No one 14 and over speaks English only or speaks English "very well"	Margin of Error of OTH-No one 14 and over speaks English only or speaks English "very well"	Households	ACS	
99	ENG_VW_ACS_15_19	No one 14 and over speaks English only or speaks English "very well" (Use Tot ACS Occ HU as denominator) in the ACS	Number of ACS households where no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	Tot ACS occupied HUs
100	ENG_VW_ACSMOE_15_19	MOE - No one 14 and over speaks English only or speaks English "very well" (Derived)	Margin of Error of No one 14 and over speaks English only or speaks English "very well"	Households	ACS	
101	Rel_Family_HHD_CEN_2010	Related family households in the 2010 Census	Number of 2010 Census households where at least 2 members are related by birth, marriage, or adoption; same-sex couple households with no relatives of the householder present are not included	Households	2010 Census	Tot 2010 Census occupied HUs
102	Rel_Family_HHD_ACS_15_19	Related family households in the ACS	Number of ACS households where at least 2 members are related by birth, marriage, or adoption; same-sex couple households with no relatives of the householder present are not included	Households	ACS	Tot ACS occupied HUs

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
103	Rel_Family_HHD_ACSMOE_15_19	MOE - Related family HHDs	Margin of Error of Related family households	Households	ACS	
104	MrdCple_Fmly_HHD_CEN_2010	Married-couple family in the 2010 Census	Number of 2010 Census households in which the householder and his or her spouse are listed as members of the same household; does not include same-sex married couples	Households	2010 Census	Tot 2010 Census occupied HUs
105	MrdCple_Fmly_HHD_ACS_15_19	Married-couple family in the ACS	Number of ACS households in which the householder and his or her spouse are listed as members of the same household; does not include same-sex married couples	Households	ACS	Tot ACS occupied HUs
106	MrdCple_Fmly_HHD_ACSMOE_15_19	MOE - Married-couple family	Margin of Error of Married-Couple Family	Households	ACS	
107	Not_MrdCple_HHD_CEN_2010	Households with no married couple present in the 2010 Census	Number of 2010 Census households with no spousal relationship present	Households	2010 Census	Tot 2010 Census occupied HUs
108	Not_MrdCple_HHD_ACS_15_19	Households with no married couple present in the ACS	Number of ACS households with no spousal relationship present	Households	ACS	Tot ACS occupied HUs
109	Not_MrdCple_HHD_ACSMOE_15_19	MOE - Households with no married couple present (Derived)	Margin of Error of Number of ACS households with no spousal relationship present	Households	ACS	
110	Female_No_HB_CEN_2010	Female householder, no husband present in the 2010 Census	Number of 2010 Census households with a female householder and no husband of householder present	Households	2010 Census	Tot 2010 Census occupied HUs
111	Female_No_SP_ACS_15_19	Female householder, No Spouse present in the ACS	Number of ACS households with a female householder and no spouse of householder present	Households	ACS	Tot ACS occupied HUs
112	Female_No_SP_ACSMOE_15_19	MOE - Female householder, No Spouse present	Margin of Error of Female householder, no spouse present	Households	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
113	NonFamily_HHD_CEN_2010	Nonfamily households: Unrelated Household in the 2010 Census	Number of 2010 Census households where a householder lives alone or with nonrelatives only; includes same-sex couples where no relatives of the householder are present	Households	2010 Census	Tot 2010 Census occupied HUs
114	NonFamily_HHD_ACS_15_19	Nonfamily households: Unrelated Household in the ACS	Number of ACS households where a householder lives alone or with nonrelatives only; includes same-sex couples where no relatives of the householder are present	Households	ACS	Tot ACS occupied HUs
115	NonFamily_HHD_ACSMOE_15_19	MOE - Nonfamily Households: Unrelated HHDs	Margin of Error of Nonfamily household: Unrelated households	Households	ACS	
116	Sngl_Prns_HHD_CEN_2010	Single person householder living alone in the 2010 Census	Number of 2010 Census households where a householder lives alone	Households	2010 Census	Tot 2010 Census occupied HUs
117	Sngl_Prns_HHD_ACS_15_19	Single person householder living alone in the ACS	Number of ACS households where a householder lives alone	Households	ACS	Tot ACS occupied HUs
118	Sngl_Prns_HHD_ACSMOE_15_19	MOE - Single person householder living alone	Margin of Error of Single person householder living alone	Households	ACS	
119	HHD_PPL_Und_18_CEN_2010	Households with one or more people under 18 years in the 2010 Census	Number of 2010 Census households where one or more people are ages 18 years or under	Households	2010 Census	Tot 2010 Census occupied HUs
120	HHD_PPL_Und_18_ACS_15_19	Households with one or more people under 18 years in the ACS	Number of ACS households where one or more people are ages 18 years or under	Households	ACS	Tot ACS occupied HUs
121	HHD_PPL_Und_18_ACSMOE_15_19	MOE - Households with one or more people under 18 years	Margin of Error of Households with one or more people under 18 years	Households	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
122	Tot_Prns_in_HHD_CEN_2010	Total Persons in HHDs in the 2010 Census	All persons (household population) in 2010 Census occupied housing unit. This is the numerator to calculate the average household size.	Persons	2010 Census	Tot 2010 Census occupied HUs
123	Tot_Prns_in_HHD_ACS_15_19	Total Persons in HHDs in the ACS	All persons (household population) in ACS occupied housing unit. This is the numerator to calculate the average household size.	Persons	ACS	Tot ACS occupied HUs
124	Tot_Prns_in_HHD_ACSMOE_15_19	MOE - Total Persons in HHDs	Margin of Error of Total Persons in households	Persons	ACS	
125	Rel_Child_Under_6_CEN_2010	Number of families with related children under 6 in the 2010 Census	Number of 2010 Census families with related children under 6 years old	Families	2010 Census	2010 Census Related Family Households
126	Rel_Child_Under_6_ACS_15_19	Number of families with related children under 6 in the ACS	Number of ACS families with related children under 6 years old	Families	ACS	ACS Related Family Households
127	Rel_Child_Under_6_ACSMOE_15_19	MOE - Number of families with related children under 6 (Derived)	Margin of Error of Number of families with related children under 6 years old	Families	ACS	
128	HHD_Moved_in_ACS_15_19	Number of households, householder moved in 2010 or later in the ACS	Number of ACS households where the householder moved into the current unit in the year 2010 or later	Households	ACS	Tot ACS occupied HUs
129	HHD_Moved_in_ACSMOE_15_19	MOE - Number of households, householder moved in 2010 or later (Derived)	Margin of Error of Number of households where the householder moved into the current unit in the year 2010 or later	Households	ACS	
130	PUB_ASST_INC_ACS_15_19	With Public Assistance Income in the ACS	Number of ACS households that receive public assistance income (general assistance and Temporary Assistance to Needy Families)	Households	ACS	Tot ACS occupied HUs

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
131	PUB_ASST_INC_ACSMOE_15_19	MOE - With Public Assistance Income	Margin of Error of With Public Assistance Income	Households	ACS	
132	Med_HHD_Inc_BG_ACS_15_19	Med HHD Income for the Block group in the ACS	Median ACS household income for designated block group	Households	ACS	
133	Med_HHD_Inc_BG_ACSMOE_15_19	MOE - Med HHD Income for the Block group	Margin of Error of Med household income for block group	Households	ACS	
134	Med_HHD_Inc_TR_ACS_15_19	Med Household Income - Tract level in the ACS	Median ACS household income for designated tract	Households	ACS	
135	Med_HHD_Inc_TR_ACSMOE_15_19	MOE - Med household income - Tract level	Margin of Error for Med household income at tract level	Households	ACS	
136	Aggregate_HH_INC_ACS_15_19	Aggregate HH Income in the ACS	Sum of all incomes in the household	Block group	ACS	Tot ACS occupied HUs
137	Aggregate_HH_INC_ACSMOE_15_19	MOE - Aggregate HH Income	Margin of Error for Aggregate household income	Block group	ACS	
		HOUSING UNIT VARIABLES				
138	Tot_Housing_Units_CEN_2010	Total Housing Units in the 2010 Census	Number of 2010 Census living quarters in which the occupant(s) live separately from any other individuals in the building and have direct access	Housing Units	2010 Census	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
139	Tot_Housing_Units_ACS_15_19	Total Housing Units in the ACS	Number of ACS living quarters in which the occupant(s) live separately from any other individuals in the building and have direct access. This number includes housing units of all kinds, which encompasses housing units in single-unit structures, housing units in multi-unit structures, mobile homes, and other types of housing units.	Housing Units	ACS	
140	Tot_Housing_Units_ACSMOE_15_19	MOE - Total Housing Units	Margin of Error for Total Housing Units	Housing Units		
141	Tot_Occp_Units_CEN_2010	Total Occupied Housing Units in the 2010 Census	Number of 2010 Census housing units classified as usual place of residence of the individual or group living in it	Housing Units	2010 Census	2010 Census Tot HUs; used as the denominator for many 2010 Census HHD variables
142	Tot_Occp_Units_ACS_15_19	Total Occupied Housing Units in the ACS	Number of ACS housing units classified as usual place of residence of the individual or group living in it	Housing Units	ACS	ACS Tot HUs; used as the denominator for many ACS HHD variables
143	Tot_Occp_Units_ACSMOE_15_19	MOE - Total Occupied Housing Units	Margin of Error for Total Occupied Housing Units	Housing Units	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
144	Tot_Vacant_Units_CEN_2010	Total vacant Housing Units in the 2010 Census	Number of 2010 Census housing units with no regular occupants on Census Day; housing units with its usual occupants temporarily away (such as on vacation, a business trip, or in the hospital) are not considered vacant, but housing units temporarily occupied on Census Day by people who have a usual residence elsewhere are considered vacant	Housing Units	2010 Census	2010 Census Tot HUs
145	Tot_Vacant_Units_ACS_15_19	Total vacant Housing Units in the ACS	Number of ACS housing units where no one is living regularly at the time of interview; units occupied at the time of interview entirely by persons who are staying two months or less and who have a more permanent residence elsewhere are classified as vacant	Housing Units	ACS	ACS Tot HUs
146	Tot_Vacant_Units_ACSMOE_15_19	MOE - Total vacant Housing Units	Margin of Error for Total vacant housing units	Housing Units	ACS	
147	Renter_Occp_HU_CEN_2010	Number of renter occupied units in the 2010 Census	Number of 2010 Census occupied housing units that are not owner occupied, whether they are rented or occupied without payment of rent	Housing Units	2010 Census	Tot 2010 Census occupied HUs
148	Renter_Occp_HU_ACS_15_19	Number of renter occupied units in the ACS	Number of ACS occupied housing units that are not owner occupied, whether they are rented or occupied without payment of rent	Housing Units	ACS	Tot ACS occupied HUs

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
149	Renter_Occp_HU_ACSMOE_15_19	MOE - Number of renter occupied units	Margin of Error for Number of renter occupied units	Housing Units	ACS	
150	Owner_Occp_HU_CEN_2010	Number of owner occupied units in the 2010 Census	Number of 2010 Census housing units where owner or co-owner lives in it	Housing Units	2010 Census	Tot 2010 Census occupied HUs
151	Owner_Occp_HU_ACS_15_19	Number of owner occupied units in the ACS	Number of ACS housing units where owner or co-owner lives in it	Housing Units	ACS	Tot ACS occupied HUs
152	Owner_Occp_HU_ACSMOE_15_19	MOE - Number of owner occupied units	Margin of Error for Number of owner occupied units	Housing Units	ACS	
153	Single_Unit_ACS_15_19	Number of units in structures containing only 1 housing unit in the ACS	Number of ACS housing units in which the structure contains only that single unit	Housing Units	ACS	ACS Tot HUs
154	Single_Unit_ACSMOE_15_19	MOE - Number of units in structures containing only 1 housing unit (Derived)	Margin of Error for Number of units in structures containing only 1 housing unit	Housing Units	ACS	
155	MLT_U2_9_STRC_ACS_15_19	Number of units in structures containing two to nine housing units in the ACS	Number of ACS housing units in which the structure contains two to nine housing units	Housing Units	ACS	ACS Tot HUs
156	MLT_U2_9_STRC_ACSMOE_15_19	MOE - Number of units in structures containing two to nine housing units (Derived)	Margin of Error for Number of units in structures containing two to nine housing units	Housing Units	ACS	
157	MLT_U10p_ACS_15_19	Number of units in structures containing 10 or more housing units in the ACS	Number of ACS housing units in which the structure contains 10 or more housing units	Housing Units	ACS	ACS Tot HUs
158	MLT_U10p_ACSMOE_15_19	MOE - Number of units in structures containing 10 or more housing units (Derived)	Margin of Error for Number of units in structures containing 10 or more housing units	Housing Units	ACS	
159	Mobile_Homes_ACS_15_19	Mobile Homes in the ACS	Number of ACS housing units that are considered mobile homes	Housing Units	ACS	ACS Tot HUs
160	Mobile_Homes_ACSMOE_15_19	MOE - Mobile Homes	Margin of Error for Mobile Homes	Housing Units	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
161	Crowd_Occp_U_ACS_15_19	Occupied Units with more than 1.01 + persons per room in the ACS	Number of ACS occupied housing units with more than 1.01 persons per room	Housing Units	ACS	Tot ACS occupied HUs
162	Crowd_Occp_U_ACSMOE_15_19	MOE - Occupied Units with more than 1.01 + persons per room (Derived)	Margin of Error for Occupied units with more than 1.01 persons per room	Housing Units	ACS	
163	Occp_U_NO_PH_SRVC_ACS_15_19	Number of units without telephone in the ACS	Number of ACS housing units without a working telephone and available service	Housing Units	ACS	Tot ACS occupied HUs
164	Occp_U_NO_PH_SRVC_ACSMOE_15_19	MOE - Number of units without telephone (Derived)	Margin of Error for Number of units without a telephone	Housing Units	ACS	
165	No_Plumb_ACS_15_19	Lacking complete plumbing facilities in the ACS	Number of ACS housing units lacking complete plumbing facilities	Housing Units	ACS	ACS Tot HUs
166	No_Plumb_ACSMOE_15_19	MOE - Lacking complete plumbing facilities	Margin of Error for housing units lacking complete plumbing facilities	Housing Units	ACS	
167	Recent_Built_HU_ACS_15_19	Built in 2010 or later in the ACS	Number of both occupied and vacant ACS housing units whose building was constructed in 2010 or later	Housing Units	ACS	ACS Tot HUs
168	Recent_Built_HU_ACSMOE_15_19	MOE - HUs built in 2010 or later	Margin of Error for HUs built 2010 or later	Housing Units	ACS	
169	Med_House_Value_BG_ACS_15_19	Median House value for the block group in the ACS	Median of ACS respondents' house value estimates per block group	Housing Units	ACS	
170	Med_House_Value_BG_ACSMOE_15_19	MOE - Median House value for the block group	Margin of Error for Med House value for the block group	Housing Units	ACS	
171	Med_House_Value_TR_ACS_15_19	Med House Value - Tract level in the ACS	Median of ACS respondents' house value estimates per tract	Housing Units	ACS	
172	Med_House_Value_TR_ACSMOE_15_19	MOE - Med House Value - Tract level	Margin of Error for Med house value at tract level	Housing Units	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
173	Aggr_House_Value_ACS_15_19	Aggregate value (dollars) in the ACS	Sum of all value estimates for owner-occupied ACS housing units in an area	Block group	ACS	Total ACS OCC HU
174	Aggr_House_Value_ACSMOE_15_19	MOE - Aggregate value (dollars)	Margin of Error for Aggregate value in dollars	Block group	ACS	
		OPERATIONAL VARIABLES	Variables 175-187 are variables used to carry out a 2010 Census operation or are a result of a 2010 Census operation. Some variables existed at the start of the Census (e.g. var 173) while others are the result of activities occurring within the operation, e.g. var 177-185.			

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
175	MailBack_Area_Count_CEN_2010	Number of addresses in mailback areas in the 2010 Census	Total number of addresses at the start of 2010 Census operations where a Census form was expected to be delivered for mail return to Census. These include addresses in Mailout/Mailback areas (street address available for postal delivery) and addresses in Update/Leave enumeration areas (areas without mailboxes for individual address units). Note: Some of the addresses included in this variable's count were removed from the 2010 Census Universe as a result of actions in subsequent Census operations. For example, an address may have been deleted because it was determined to not correspond to a valid housing unit, or an address may have been added through the Be Counted program. Therefore, this variable represents the universe of addresses at the start of the 2010 Census, and may not be equal to the number of housing units in the final census count.	Addresses	2010 Census	
176	TEA_Mail_Out_Mail_Back_CEN_2010	Number of addresses where type of enumeration area was mailout/mailback in the 2010 Census	Number of addresses in a Mailout/Mailback type of enumeration area in the 2010 Census. These are addresses that received a census form in the mail and occupants were instructed to complete and mail it back.	Addresses	2010 Census	MailBack_Area_Count_CEN_2010

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
177	TEA_Update_Leave_CEN_2010	Number of addresses where type of enumeration area was update leave in the 2010 Census	Number of addresses in an Update/Leave type of enumeration area in the 2010 Census. These are addresses where a census form was hand-delivered and occupants were instructed to complete and mail it back.	Addresses	2010 Census	MailBack_Area_Count_CEN_2010
178	Census_Mail_Returns_CEN_2010	Number of returned forms received from 2010 Census by Mail addresses (Return forms)	Number of completed 2010 Census mail forms received from addresses in a mailback type of enumeration area (Mailout/Mailback and Update/Leave areas)	Addresses	2010 Census	MailBack_Area_Count_CEN_2010
179	Vacants_CEN_2010	Number of 2010 Census mail forms where unit confirmed vacant	Number of addresses in a 2010 Census mailback area that were confirmed as vacant housing units (Mailout/Mailback and Update/Leave areas). The number of vacant addresses as defined by this variable may not be equal to the number of vacant housing units in the final census count.	Addresses	2010 Census	MailBack_Area_Count_CEN_2010
180	Deletes_CEN_2010	Number of 2010 Census mail forms deleted from base count for other reasons	Number of addresses in a 2010 Census mailback area deleted because it was determined to not correspond to a valid housing unit (Mailout/Mailback and Update/Leave areas)	Addresses	2010 Census	MailBack_Area_Count_CEN_2010

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
181	Census_UAA_CEN_2010	Number of 2010 Census mail forms as undeliverable as addressed - UAA	Number of addresses in a 2010 Census Mailout/Mailback area where the initial mail form was returned to the Census with the postal code "Undeliverable as Addressed"	Addresses	2010 Census	MailBack_Area_Count_CEN_2010
182	Valid_Mailback_Count_CEN_2010	Number of valid, occupied addresses in mailback areas in the 2010 Census	<p>Total number of addresses at the start of 2010 Census operations where a Census form was expected to be delivered for mail return to Census minus the number of vacant addresses, the number of deleted addresses, and the number of addresses where the initial mail form was returned to the Census with the postal code “Undeliverable as Addressed.” The number of addresses in this variable (valid occupied addresses) may not be equal to the number of occupied housing units in the final census count.</p> <p>Denominator for the mail return rate.</p>	Addresses	2010 Census	MailBack_Area_Count_CEN_2010
183	FRST_FRMS_CEN_2010	Number of HUs that returned initial form in 2010 Census	Number of addresses in a 2010 Census Mailout/Mailback area where the first form mailed was completed and returned	Addresses	2010 Census	MailBack_Area_Count_CEN_2010

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
184	RPLCMNT_FRMS_CEN_2010	Number of HUs that returned replacement form in 2010 Census	Number of addresses in a 2010 Census Mailout/Mailback area where the replacement form was completed and returned	Addresses	2010 Census	MailBack_Area_Count_CEN_2010
185	BILQ_Mailout_count_CEN_2010	Bilingual Questionnaire Mailout Count in 2010 Census	Number of addresses that received the 2010 Census English/Spanish bilingual Mailout/Mailback form	Addresses	2010 Census	MailBack_Area_Count_CEN_2010
186	BILQ_Frms_CEN_2010	Number of HUs that returned English-Spanish bilingual forms in 2010 Census	Number of addresses that completed and returned the 2010 Census English/Spanish bilingual Mailout/Mailback form	Addresses	2010 Census	
187	Mail_Return_Rate_CEN_2010	2010 Census Mail Return Rate	<p>The number of mail returns received out of the total number of valid occupied housing units (HUs) in the Mailout/Mailback universe which excludes deleted, vacant, or UAA units. Therefore, VALID_MAILBACK_COUNT_CEN_2010 can be less than MAILBACK_AREA_COUNT_CEN_2010.</p> <p>A small number of Block Groups contain only HUs that do not meet the requirement to be considered a valid, occupied HU. This variable will have a missing value for these Block Groups.</p>	Addresses		
188	Low_Response_Score	Prediction of low census mail return rate	A score predicting that a block group will produce a low mail return rate. This score is negatively associated with Mail_Return_Rate_CEN_2010.	Addresses		

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
		CALCULATED PERCENTAGES				
189	pct_URBANIZED_AREA_POP_CEN_2010	Percentage calculated by dividing URBANIZED_AREA_POP_CEN_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that lives in a densely settled area containing 50,000 or more people	Persons	2010 Census	
190	pct_URBAN_CLUSTER_POP_CEN_2010	Percentage calculated by dividing URBAN_CLUSTER_POP_CEN_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that lives in a densely settled area containing 2,500 to 49,999 people	Persons	2010 Census	
191	pct_RURAL_POP_CEN_2010	Percentage calculated by dividing RURAL_POP_CEN_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that lives outside of an Urbanized Area or Urban Cluster	Persons	2010 Census	
192	pct_Males_CEN_2010	Percentage calculated by dividing Males_CEN_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that is male	Persons	2010 Census	
193	pct_Males_ACS_15_19	Percentage calculated by dividing Males_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that is male	Persons	ACS	
194	pct_Males_ACSMOE_15_19	MOE - Percentage calculated by dividing Males_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that is male	Persons	ACS	
195	pct_Females_CEN_2010	Percentage calculated by dividing Females_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that is female	Persons	2010 Census	
196	pct_Females_ACS_15_19	Percentage calculated by dividing Females_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that is female	Persons	ACS	
197	pct_Females_ACSMOE_15_19	MOE - Percentage calculated by dividing Females_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that is female	Persons	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
198	pct_Pop_Under_5_CEN_2010	Percentage calculated by dividing Pop_under_5_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that is under five years old	Persons	2010 Census	
199	pct_Pop_Under_5_ACS_15_19	Percentage calculated by dividing Pop_under_5_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that is under five years old	Persons	ACS	
200	pct_Pop_Under_5_ACSMOE_15_19	MOE - Percentage calculated by dividing Pop_under_5_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that is under five years old	Persons	ACS	
201	pct_Pop_5_17_CEN_2010	Percentage calculated by dividing Pop_5_17_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that is between 5 and 17 years old	Persons	2010 Census	
202	pct_Pop_5_17_ACS_15_19	Percentage calculated by dividing Pop_5_17_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that is between 5 and 17 years old	Persons	ACS	
203	pct_Pop_5_17_ACSMOE_15_19	MOE - Percentage calculated by dividing Pop_5_17_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that is between 5 and 17 years old	Persons	ACS	
204	pct_Pop_18_24_CEN_2010	Percentage calculated by dividing Pop_18_24_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that is between 18 and 24 years old	Persons	2010 Census	
205	pct_Pop_18_24_ACS_15_19	Percentage calculated by dividing Pop_18_24_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that is between 18 and 24 years old	Persons	ACS	
206	pct_Pop_18_24_ACSMOE_15_19	MOE - Percentage calculated by dividing Pop_18_24_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that is between 18 and 24 years old	Persons	ACS	
207	pct_Pop_25_44_CEN_2010	Percentage calculated by dividing Pop_25_44_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that is between 25 and 44 years old	Persons	2010 Census	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
208	pct_Pop_25_44_ACS_15_19	Percentage calculated by dividing Pop_25_44_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that is between 25 and 44 years old	Persons	ACS	
209	pct_Pop_25_44_ACSMOE_15_19	MOE - Percentage calculated by dividing Pop_25_44_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that is between 25 and 44 years old	Persons	ACS	
210	pct_Pop_45_64_CEN_2010	Percentage calculated by dividing Pop_45_64_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that is between 45 and 64 years old	Persons	2010 Census	
211	pct_Pop_45_64_ACS_15_19	Percentage calculated by dividing Pop_45_64_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that is between 45 and 64 years old	Persons	ACS	
212	pct_Pop_45_64_ACSMOE_15_19	MOE - Percentage calculated by dividing Pop_45_64_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that is between 45 and 64 years old	Persons	ACS	
213	pct_Pop_65plus_CEN_2010	Percentage calculated by dividing Pop_65plus_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that is 65 years old or over	Persons	2010 Census	
214	pct_Pop_65plus_ACS_15_19	Percentage calculated by dividing Pop_65plus_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that is 65 years old or over	Persons	ACS	
215	pct_Pop_65plus_ACSMOE_15_19	MOE - Percentage calculated by dividing Pop_65plus_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that is 65 years old or over	Persons	ACS	
216	pct_Tot_GQ_CEN_2010	Percentage calculated by dividing Tot_GQ_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census population living or staying in a group living arrangement owned by an entity providing housing to residents, who are usually unrelated, as of April 1, 2010	Persons	2010 Census	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
217	pct_Inst_GQ_CEN_2010	Percentage calculated by dividing Inst_GQ_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census population who live in group quarters and are primarily ineligible, unable, or unlikely to participate in labor force while residents. Institutional group quarters include correctional facilities for adults, juvenile facilities, nursing facilities, and other institutional facilities.	Persons	2010 Census	
218	pct_Non_Inst_GQ_CEN_2010	Percentage calculated by dividing Non_Inst_GQ_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census population who live in group quarters and are primarily eligible, able, or likely to participate in labor force while residents. Noninstitutional group quarters include college/university student housing, military quarters, and other noninstitutional facilities.	Persons	2010 Census	
219	pct_Hispanic_CEN_2010	Percentage calculated by dividing Hispanic_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that identify as "Mexican", "Puerto Rican", "Cuban", or "another Hispanic, Latino, or Spanish origin"	Persons	2010 Census	
220	pct_Hispanic_ACS_15_19	Percentage calculated by dividing Hispanic_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that identify as "Mexican", "Puerto Rican", "Cuban", or "another Hispanic, Latino, or Spanish origin"	Persons	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
221	pct_Hispanic_ACSMOE_15_19	MOE - Percentage calculated by dividing Hispanic_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that identify as "Mexican", "Puerto Rican", "Cuban", or "another Hispanic, Latino, or Spanish origin"	Persons	ACS	
222	pct_NH_White_alone_CEN_2010	Percentage calculated by dividing NH_White_alone_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that indicate no Hispanic origin and their only race as "White" or report entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian	Persons	2010 Census	
223	pct_NH_White_alone_ACS_15_19	Percentage calculated by dividing NH_White_alone_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that indicate no Hispanic origin and their only race as "White" or report entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian	Persons	ACS	
224	pct_NH_White_alone_ACSMOE_15_19	MOE - Percentage calculated by dividing NH_White_alone_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their only race as "White" or report entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian	Persons	ACS	
225	pct_NH_Black_alone_CEN_2010	Percentage calculated by dividing NH_Black_alone_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that indicate no Hispanic origin and their only race as "Black, African Am., or Negro" or report entries such as African American, Kenyan, Nigerian, or Haitian	Persons	2010 Census	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
226	pct_NH_Blk_alone_ACS_15_19	Percentage calculated by dividing NH_Blk_alone_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that indicate no Hispanic origin and their only race as "Black, African Am., or Negro" or report entries such as African American, Kenyan, Nigerian, or Haitian	Persons	ACS	
227	pct_NH_Blk_alone_ACSMOE_15_19	MOE - Percentage calculated by dividing NH_Blk_alone_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their only race as "Black, African Am., or Negro" or report entries such as African American, Kenyan, Nigerian, or Haitian	Persons	ACS	
228	pct_NH_AIAN_alone_CEN_2010	Percentage calculated by dividing NH_AIAN_alone_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that indicate no Hispanic origin and their only race as "American Indian or Alaska Native" or report entries such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central/South American Indian groups	Persons	2010 Census	
229	pct_NH_AIAN_alone_ACS_15_19	Percentage calculated by dividing NH_AIAN_alone_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that indicate no Hispanic origin and their only race as "American Indian or Alaska Native" or report entries such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central/South American Indian groups	Persons	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
230	pct_NH_AIAN_alone_ACSMOE_15_19	MOE - Percentage calculated by dividing NH_AIAN_alone_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their only race as "American Indian or Alaska Native" or report entries such as Navajo, Blackfeet, Inupiat, Yup'ik, or Central/South American Indian groups	Persons	ACS	
231	pct_NH_Asian_alone_CEN_2010	Percentage calculated by dividing NH_Asian_alone_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that indicate no Hispanic origin and their only race as "Asian Indian", "Chinese", "Filipino", "Korean", "Japanese", "Vietnamese", or "Other Asian"	Persons	2010 Census	
232	pct_NH_Asian_alone_ACS_15_19	Percentage calculated by dividing NH_Asian_alone_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that indicate no Hispanic origin and their only race as "Asian Indian", "Chinese", "Filipino", "Korean", "Japanese", "Vietnamese", or "Other Asian"	Persons	ACS	
233	pct_NH_Asian_alone_ACSMOE_15_19	MOE - Percentage calculated by dividing NH_Asian_alone_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their only race as "Asian Indian", "Chinese", "Filipino", "Korean", "Japanese", "Vietnamese", or "Other Asian"	Persons	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
234	pct_NH_NHOPI_alone_CEN_2010	Percentage calculated by dividing NH_NHOPI_alone_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that indicate no Hispanic origin and their only race as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", or "Other Pacific Islander"	Persons	2010 Census	
235	pct_NH_NHOPI_alone_ACS_15_19	Percentage calculated by dividing NH_NHOPI_alone_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that indicate no Hispanic origin and their only race as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", or "Other Pacific Islander"	Persons	ACS	
236	pct_NH_NHOPI_alone_ACSMOE_15_19	MOE - Percentage calculated by dividing NH_NHOPI_alone_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their only race as "Native Hawaiian", "Guamanian or Chamorro", "Samoan", or "Other Pacific Islander"	Persons	ACS	
237	pct_NH_SOR_alone_CEN_2010	Percentage calculated by dividing NH_SOR_alone_Cen_2010 by Tot_Population_CEN_2010	The percentage of the 2010 Census total population that indicate no Hispanic origin and their race as other than "White", "Hispanic", "Black or African American", "American Indian or Alaska Native", "Asian", and "Native Hawaiian or Other Pacific Islander"	Persons	2010 Census	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
238	pct_NH_SOR_alone_ACS_15_19	Percentage calculated by dividing NH_SOR_alone_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that indicate no Hispanic origin and their race as other than "White", "Hispanic", "Black or African American", "American Indian or Alaska Native", "Asian", and "Native Hawaiian or Other Pacific Islander"	Persons	ACS	
239	pct_NH_SOR_alone_ACSMOE_15_19	MOE - Percentage calculated by dividing NH_SOR_alone_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population that indicate no Hispanic origin and their race as other than "White", "Hispanic", "Black or African American", "American Indian or Alaska Native", "Asian", and "Native Hawaiian or Other Pacific Islander"	Persons	ACS	
240	pct_Pop_5yrs_Over_ACS_15_19	Percentage calculated by dividing Pop_5yrs_Over_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population who are ages 5 years and over at time of interview	Persons	ACS	
241	pct_Pop_5yrs_Over_ACSMOE_15_19	MOE - Percentage calculated by dividing Pop_5yrs_Over_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population who are ages 5 years and over at time of interview	Persons	ACS	
242	pct_Othr_Lang_ACS_15_19	Percentage calculated by dividing Othr_Lang_ACS_15_19 by Pop_5yrs_Over_ACS_15_19	The percentage of the ACS population aged 5 years and over that speaks a language other than English at home	Persons	ACS	
243	pct_Othr_Lang_ACSMOE_15_19	MOE - Percentage calculated by dividing Othr_Lang_ACS_15_19 by Pop_5yrs_Over_ACS_15_19	Margin of error of the percentage of the ACS population aged 5 years and over that speaks a language other than English at home	Persons	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
244	pct_Pop_25yrs_Over_ACS_15_19	Percentage calculated by dividing Pop_25yrs_Over_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population who are ages 25 years and over at time of interview	Persons	ACS	
245	pct_Pop_25yrs_Over_ACSMOE_15_19	MOE - Percentage calculated by dividing Pop_25yrs_Over_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population who are ages 25 years and over at time of interview	Persons	ACS	
246	pct_Not_HS_Grad_ACS_15_19	Percentage calculated by dividing Not_HS_Grad_ACS_15_19 by Pop_25yrs_Over_ACS_15_19	The percentage of the ACS population aged 25 years and over that are not high school graduates and have not received a diploma or the equivalent	Persons	ACS	
247	pct_Not_HS_Grad_ACSMOE_15_19	MOE - Percentage calculated by dividing Not_HS_Grad_ACS_15_19 by Pop_25yrs_Over_ACS_15_19	Margin of error of the percentage of the ACS population aged 25 years and over that are not high school graduates	Persons	ACS	
248	pct_College_ACS_15_19	Percentage calculated by dividing College_ACS_15_19 by Pop_25yrs_Over_ACS_15_19	The percentage of the ACS population aged 25 years and over that have a college degree or higher	Persons	ACS	
249	pct_College_ACSMOE_15_19	MOE - Percentage calculated by dividing College_ACS_15_19 by Pop_25yrs_Over_ACS_15_19	Margin of error of the percentage of the ACS population aged 25 years and over that have a college degree or higher	Persons	ACS	
250	pct_Pov_Univ_ACS_15_19	Percentage calculated by dividing Pov_Univ_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the population for whom poverty level is determined, excluding institutionalized people, people in military group quarters, people in college dormitories, and unrelated individuals under 15 years old in the ACS	Persons	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
251	pct_Pov_Univ_ACSMOE_15_19	MOE - Percentage calculated by dividing Pov_Univ_ACS_15_19 by Tot_Population_ACS_15_19	Margin of Error for percentage of the Population for whom poverty level is determined	Persons	ACS	
252	pct_Prs_Blw_Pov_Lev_ACS_15_19	Percentage calculated by dividing Prs_Blw_Pov_Lev_ACS_15_19 by Pov_Univ_ACS_15_19	The percentage of the ACS eligible population that are classified as below the poverty level given their total family or household income within the last year, family size, and family composition	Persons	ACS	
253	pct_Prs_Blw_Pov_Lev_ACSMOE_15_19	MOE - Percentage calculated by dividing Prs_Blw_Pov_Lev_ACS_15_19 by Pov_Univ_ACS_15_19	Margin of Error of the percentage of the ACS eligible population that are classified as below the poverty level	Persons	ACS	
254	pct_One_Health_Ins_ACS_15_19	Percentage calculated by dividing One_Health_Ins_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that have one type of health insurance coverage, including public or private	Persons		
255	pct_One_Health_Ins_ACSMOE_15_19	MOE - Percentage calculated by dividing One_Health_Ins_ACS_15_19 by Tot_Population_ACS_15_19	Margin of Error of the percentage of the ACS population that have one type of health insurance	Persons		
256	pct_TwoPHealthIns_ACS_15_19	Percentage calculated by dividing Two_Plus_Health_Ins_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that have two or more types of health insurance	Persons		
257	pct_TwoPHealthIns_ACSMOE_15_19	MOE - Percentage calculated by dividing Two_Plus_Health_Ins_ACS_15_19 by Tot_Population_ACS_15_19	Margin of Error of the percentage of the ACS population that have two or more types of health insurance	Persons		

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
258	pct_No_Health_Ins_ACS_15_19	Percentage calculated by dividing No_Health_Ins_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population that have no health insurance, public or private	Persons		
259	pct_No_Health_Ins_ACSMOE_15_19	MOE - Percentage calculated by dividing No_Health_Ins_ACS_15_19 by Tot_Population_ACS_15_19	Margin of Error of the percentage of the ACS population that have no health insurance	Persons		
260	pct_Pop_1yr_Over_ACS_15_19	Percentage calculated by dividing Pop_1yr_Over_ACS_15_19 by Tot_Population_ACS_15_19	The percentage of the ACS population who are ages 1 year and over at time of interview	Persons	ACS	
261	pct_Pop_1yr_Over_ACSMOE_15_19	MOE - Percentage calculated by dividing Pop_1yr_Over_ACS_15_19 by Tot_Population_ACS_15_19	Margin of error of the percentage of the ACS population who are ages 1 year and over at time of interview	Persons	ACS	
262	pct_Diff_HU_1yr_Ago_ACS_15_19	Percentage calculated by dividing Diff_HU_1yr_Ago_ACS_15_19 by Pop_1yr_Over_ACS_15_19	The percentage of the ACS population aged 1 year and over that moved from another residence in the U.S. or Puerto Rico within the last year	Persons	ACS	
263	pct_Diff_HU_1yr_Ago_ACSMOE_15_19	MOE - Percentage calculated by dividing Diff_HU_1yr_Ago_ACS_15_19 by Pop_1yr_Over_ACS_15_19	Margin of Error of the percentage of the ACS population aged 1 year and over that moved from another residence in the U.S. or Puerto Rico within the last year	Persons	ACS	
264	pct_ENG_VW_SPAN_ACS_15_19	Percentage calculated by dividing ENG_VW_SPAN_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units where a Spanish or Spanish Creole language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
265	pct_ENG_VW_SPAN_ACSMOE_15_19	MOE - Percentage calculated by dividing ENG_VW_SPAN_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units where a Spanish or Spanish Creole language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	
266	pct_ENG_VW_INDOEURO_ACS_15_19	Percentage calculated by dividing ENG_VW_INDO_EURO_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units where an Indo-European language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	
267	pct_ENG_VW_INDOEURO_ACSMOE_10_14	MOE - Percentage calculated by dividing ENG_VW_INDO_EURO_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units where an Indo-European language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	
268	pct_ENG_VW_API_ACS_15_19	Percentage calculated by dividing ENG_VW_API_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units where an Asian and Pacific Island language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
269	pct_ENG_VW_API_ACSMOE_15_19	MOE - Percentage calculated by dividing ENG_VW_API_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units where an Asian and Pacific Island language was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	
270	pct_ENG_VW_OTHER_ACS_15_19	Percentage calculated by dividing ENG_VW_OTHER_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units where a language other than English, Spanish, Indo-Euro, or API was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	
271	pct_ENG_VW_OTHER_ACSMOE_15_19	MOE - Percentage calculated by dividing ENG_VW_OTHER_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units where a language other than English, Spanish, Indo-Euro, or API was assigned as the household language and no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	
272	pct_ENG_VW_ACS_15_19	Percentage calculated by dividing ENG_VW_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units where no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
273	pct_ENG_VW_ACSMOE_15_19	MOE - Percentage calculated by dividing ENG_VW_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units where no one ages 14 years and over speaks English only or speaks English "very well"	Households	ACS	
274	pct_Rel_Family_HHD_CEN_2010	Percentage calculated by dividing Rel_Family_HHDS_CEN_2010 by Tot_Occp_Units_CEN_2010	The percentage of all 2010 Census occupied housing units where at least 2 members are related by birth, marriage, or adoption; same-sex couple households with no relatives of the householder present are not included	Households	2010 Census	
275	pct_Rel_Family_HHD_ACS_15_19	Percentage calculated by dividing Rel_Family_HHD_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units where at least 2 members are related by birth, marriage, or adoption; same-sex couple households with no relatives of the householder present are not included	Households	ACS	
276	pct_Rel_Family_HHD_ACSMOE_15_19	MOE - Percentage calculated by dividing Rel_Family_HHD_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units where at least 2 members are related by birth, marriage, or adoption	Households	ACS	
277	pct_MrdCple_HHD_CEN_2010	Percentage calculated by dividing MrdCple_Fmly_HHD_CEN_2010 by Tot_Occp_Units_CEN_2010	The percentage of all 2010 Census occupied housing units where the householder and his or her spouse are listed as members of the same household; does not include same-sex married couples	Households	2010 Census	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
278	pct_MrdCple_HHD_ACS_15_19	Percentage calculated by dividing MrdCple_Fmly_HHD_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units where the householder and his or her spouse are listed as members of the same household; does not include same-sex married couples	Households	ACS	
279	pct_MrdCple_HHD_ACSMOE_15_19	MOE - Percentage calculated by dividing MrdCple_Fmly_HHD_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units where the householder and his or her spouse are listed as members of the same household	Households	ACS	
280	pct_Not_MrdCple_HHD_CEN_2010	Percentage calculated by dividing Not_MrdCple_HHD_CEN_2010 by Tot_Occp_Units_CEN_2010	The percentage of all 2010 Census occupied housing units where no spousal relationship is present	Households	2010 Census	
281	pct_Not_MrdCple_HHD_ACS_15_19	Percentage calculated by dividing Not_MrdCple_HHD_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units with no spousal relationship present	Households	ACS	
282	pct_Not_MrdCple_HHD_ACSMOE_15_19	MOE - Percentage calculated by dividing Not_MrdCple_HHD_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units with no spousal relationship present	Households	ACS	
283	pct_Female_No_HB_CEN_2010	Percentage calculated by dividing Female_No_HB_CEN_2010 by Tot_Occp_Units_CEN_2010	The percentage of all 2010 Census occupied housing units with a female householder and no husband of householder present	Households	2010 Census	
284	pct_Female_No_SP_ACS_15_19	Percentage calculated by dividing Female_No_SP_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units with a female householder and no spouse of householder present	Households	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
285	pct_Female_No_SP_ACSMOE_15_19	MOE - Percentage calculated by dividing Female_No_SP_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units with a female householder and no spouse of householder present	Households	ACS	
286	pct_NonFamily_HHD_CEN_2010	Percentage calculated by dividing NonFamily_HHD_CEN_2010 by Tot_Occp_Units_CEN_2010	The percentage of all 2010 Census occupied housing units where a householder lives alone or with nonrelatives only; includes same-sex couples where no relatives of the householder are present	Households	2010 Census	
287	pct_NonFamily_HHD_ACS_15_19	Percentage calculated by dividing NonFamily_HHD_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units where a householder lives alone or with nonrelatives only; includes same-sex couples where no relatives of the householder are present	Households	ACS	
288	pct_NonFamily_HHD_ACSMOE_15_19	MOE - Percentage calculated by dividing NonFamily_HHD_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units where a householder lives alone or with nonrelatives only	Households	ACS	
289	pct_Sngl_Prns_HHD_CEN_2010	Percentage calculated by dividing Sngl_Prns_HHD_CEN_2010 by Tot_Occp_Units_CEN_2010	The percentage of all 2010 Census occupied housing units where a householder lives alone	Households	2010 Census	
290	pct_Sngl_Prns_HHD_ACS_15_19	Percentage calculated by dividing Sngl_Prns_HHD_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units where a householder lives alone	Households	ACS	
291	pct_Sngl_Prns_HHD_ACSMOE_15_19	MOE - Percentage calculated by dividing Sngl_Prns_HHD_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units where a householder lives alone	Households	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
292	pct_HHD_PPL_Und_18_CEN_2010	Percentage calculated by dividing HHD_PPL_Und_18_CEN_2010 by Tot_Occp_Units_CEN_2010	The percentage of all 2010 Census occupied housing units where one or more people are ages 18 years or under	Households	2010 Census	
293	pct_HHD_PPL_Und_18_ACS_15_19	Percentage calculated by dividing HHD_PPL_Und_18_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units where one or more people are ages 18 years or under	Households	ACS	
294	pct_HHD_PPL_Und_18_ACSMOE_15_19	MOE - Percentage calculated by dividing HHD_PPL_Und_18_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units where one or more people are ages 18 years or under	Households	ACS	
295	avg_Tot_Prns_in_HHD_CEN_2010	Average number of Persons per occupied housing unit in the 2010 Census	The average number of persons per 2010 Census occupied housing unit. This was calculated by dividing the total household population in the 2010 Census by the total number of occupied housing units in the 2010 Census.	Households	2010 Census	
296	avg_Tot_Prns_in_HHD_ACS_15_19	Average number of Persons per occupied housing unit in the ACS	The average number of persons per ACS occupied housing unit. This was calculated by dividing the total household population in the ACS by the total number of occupied housing units in the ACS.	Households	ACS	
297	avg_Tot_Prns_in_HHD_ACSMOE_15_19	MOE - Average number of Persons per occupied housing unit in the ACS	Margin of error of the average number of persons per ACS occupied housing unit	Households	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
298	pct_Rel_Under_6_CEN_2010	Percentage calculated by dividing Rel_Child_Under_6_CEN_2010 by Rel_Family_HHDS_CEN_2010	The percentage of 2010 Census family-occupied housing units with a related child under 6 years old; same-sex couple households with no relatives of the householder present are not included in the denominator	Families	2010 Census	
299	pct_Rel_Under_6_ACS_15_19	Percentage calculated by dividing Rel_Child_Under_6_ACS_15_19 by Rel_Family_HHD_ACS_15_19	The percentage of 2010 ACS family-occupied housing units with a related child under 6 years old; same-sex couple households with no relatives of the householder present are not included in the denominator	Families	ACS	
300	pct_Rel_Under_6_ACSMOE_15_19	MOE - Percentage calculated by dividing Rel_Child_Under_6_ACS_15_19 by Rel_Family_HHD_ACS_15_19	Margin of error of the percentage of 2010 ACS family-occupied housing units with a related child under 6 years old	Families	ACS	
301	pct_HHD_Moved_in_ACS_15_19	Percentage calculated by dividing HHD_Moved_in_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units where the householder moved into the current unit in the year 2010 or later	Households	ACS	
302	pct_HHD_Moved_in_ACSMOE_15_19	MOE - Percentage calculated by dividing HHD_Moved_in_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of the percentage of all ACS occupied housing units where the householder moved into the current unit in the year 2010 or later	Households	ACS	
303	pct_PUB_ASST_INC_ACS_15_19	Percentage calculated by dividing PUB_ASST_INC_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of all ACS occupied housing units that receive public assistance income (general assistance and Temporary Assistance to Needy Families)	Households	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
304	pct_PUB_ASST_INC_ACSMOE_15_19	MOE - Percentage calculated by dividing PUB_ASST_INC_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error of percentage of all ACS occupied housing units that receive public assistance income	Households	ACS	
305	avg_Agg_HH_INC_ACS_15_19	Average aggregate household income in the ACS	The average aggregate household income in the ACS. This is calculated by dividing the aggregate household income by the number of occupied housing units in the ACS	Households	ACS	
306	avg_Agg_HH_INC_ACSMOE_15_19	MOE - Average aggregate household income in the ACS	Margin of error for the average aggregate household income in the ACS	Households	ACS	
307	pct_Tot_Occp_Units_CEN_2010	Percentage calculated by dividing Tot_Occp_Units_CEN_2010 by Tot_Housing_Units_CEN_2010	The percentage of all 2010 Census housing units that are classified as the usual place of residence of the individual or group living in it	Housing Units	2010 Census	
308	pct_Tot_Occp_Units_ACS_15_19	Percentage calculated by dividing Tot_Occp_Units_ACS_15_19 by Tot_Housing_Units_ACS_15_19	The percentage of all ACS housing units that are classified as the usual place of residence of the individual or group living in it	Housing Units	ACS	
309	pct_Tot_Occp_Units_ACSMOE_15_19	MOE - Percentage calculated by dividing Tot_Occp_Units_ACS_15_19 by Tot_Housing_Units_ACS_15_19	Margin of error for the percentage of all ACS housing units that are classified as the usual place of residence of the individual or group living in it	Housing Units	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
310	pct_Vacant_Units_CEN_2010	Percentage calculated by dividing Tot_Vacant_Units_CEN_2010 by Tot_Housing_Units_CEN_2010	The percentage of all 2010 Census housing units that have no regular occupants on Census Day; housing units with its usual occupants temporarily away (such as on vacation, a business trip, or in the hospital) are not considered vacant, but housing units temporarily occupied on Census Day by people who have a usual residence elsewhere are considered vacant	Housing Units	2010 Census	
311	pct_Vacant_Units_ACS_15_19	Percentage calculated by dividing Tot_Vacant_Units_ACS_15_19 by Tot_Housing_Units_ACS_15_19	The percentage of all ACS housing units where no one is living regularly at the time of interview; units occupied at the time of interview entirely by persons who are staying two months or less and who have a more permanent residence elsewhere are classified as vacant	Housing Units	ACS	
312	pct_Vacant_Units_ACSMOE_15_19	MOE - Percentage calculated by dividing Tot_Vacant_Units_ACS_15_19 by Tot_Housing_Units_ACS_15_19	Margin of error for the percentage of all ACS housing units where no one is living regularly at the time of interview	Housing Units	ACS	
313	pct_Renter_Occp_HU_CEN_2010	Percentage calculated by dividing Renter_Occp_HU_CEN_2010 by Tot_Occp_Units_CEN_2010	The percentage of 2010 Census occupied housing units that are not owner occupied, whether they are rented or occupied without payment of rent	Housing Units	2010 Census	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
314	pct_Renter_Occp_HU_ACS_15_19	Percentage calculated by dividing Renter_Occp_HU_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of ACS occupied housing units that are not owner occupied, whether they are rented or occupied without payment of rent	Housing Units	ACS	
315	pct_Renter_Occp_HU_ACSMOE_15_19	MOE - Percentage calculated by dividing Renter_Occp_HU_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error for the percentage of ACS occupied housing units that are not owner occupied	Housing Units	ACS	
316	pct_Owner_Occp_HU_CEN_2010	Percentage calculated by dividing Owner_Occp_HU_CEN_2010 by Tot_Occp_Units_CEN_2010	The percentage of 2010 Census occupied housing units with an owner or co-owner living in it	Housing Units	2010 Census	
317	pct_Owner_Occp_HU_ACS_15_19	Percentage calculated by dividing Owner_Occp_HU_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of ACS occupied housing units with an owner or co-owner living in it	Housing Units	ACS	
318	pct_Owner_Occp_HU_ACSMOE_15_19	MOE - Percentage calculated by dividing Owner_Occp_HU_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error for the ACS occupied housing units with an owner or co-owner living in it	Housing Units	ACS	
319	pct_Single_Unit_ACS_15_19	Percentage calculated by dividing Single_Unit_ACS_15_19 by Tot_Housing_Units_ACS_15_19	The percentage of all ACS housing units that are in a structure that contains only that single unit	Housing Units	ACS	
320	pct_Single_Unit_ACSMOE_15_19	MOE - Percentage calculated by dividing Single_Unit_ACS_15_19 by Tot_Housing_Units_ACS_15_19	Margin of error for the percentage of all ACS housing units that are in a structure that contains only that single unit	Housing Units	ACS	
321	pct_MLT_U2_9_STRC_ACS_15_19	Percentage calculated by dividing MLT_U2_9_STRC_ACS_15_19 by Tot_Housing_Units_ACS_15_19	The percentage of all ACS housing units that are in a structure that contains two to nine housing units	Housing Units	ACS	
322	pct_MLT_U2_9_STRC_ACSMOE_15_19	MOE - Percentage calculated by dividing MLT_U2_9_STRC_ACS_15_19 by Tot_Housing_Units_ACS_15_19	Margin of error for the percentage of all ACS housing units that are in a structure that contains two to nine housing units	Housing Units	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
323	pct_MLT_U10p_ACS_15_19	Percentage calculated by dividing MLT_U10p_ACS_15_19 by Tot_Housing_Units_ACS_15_19	The percentage of all ACS housing units that are in a structure that contains 10 or more housing units	Housing Units	ACS	
324	pct_MLT_U10p_ACSMOE_15_19	MOE - Percentage calculated by dividing MLT_U10p_ACS_15_19 by Tot_Housing_Units_ACS_15_19	Margin of error for the percentage of all ACS housing units that are in a structure that contains 10 or more housing units	Housing Units	ACS	
325	pct_Mobile_Homes_ACS_15_19	Percentage calculated by dividing Mobile_Homes_ACS_15_19 by Tot_Housing_Units_ACS_15_19	The percentage of all ACS housing units that are considered mobile homes	Housing Units	ACS	
326	pct_Mobile_Homes_ACSMOE_15_19	MOE - Percentage calculated by dividing Mobile_Homes_ACS_15_19 by Tot_Housing_Units_ACS_15_19	Margin of error for the percentage of all ACS housing units that are considered mobile homes	Housing Units	ACS	
327	pct_Crowd_Occp_U_ACS_15_19	Percentage calculated by dividing Crowd_Occp_U_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of ACS occupied housing units that have more than 1.01 persons per room	Housing Units	ACS	
328	pct_Crowd_Occp_U_ACSMOE_15_19	MOE - Percentage calculated by dividing Crowd_Occp_U_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error for the percentage of ACS occupied housing units that have more than 1.01 persons per room	Housing Units	ACS	
329	pct_NO_PH_SRVC_ACS_15_19	Percentage calculated by dividing Occp_U_NO_PH_SRVC_ACS_15_19 by Tot_Occp_Units_ACS_15_19	The percentage of ACS occupied housing units that do not have a working telephone and available service	Housing Units	ACS	
330	pct_NO_PH_SRVC_ACSMOE_15_19	MOE - Percentage calculated by dividing Occp_U_NO_PH_SRVC_ACS_15_19 by Tot_Occp_Units_ACS_15_19	Margin of error for the percentage of ACS occupied housing units that do not have a working telephone and available service	Housing Units	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
331	pct_No_Plumb_ACS_15_19	Percentage calculated by dividing No_Plumb_ACS_15_19 by Tot_Housing_Units_ACS_15_19	The percentage of all ACS housing units that do not have complete plumbing facilities	Housing Units	ACS	
332	pct_No_Plumb_ACSMOE_15_19	MOE - Percentage calculated by dividing No_Plumb_ACS_15_19 by Tot_Housing_Units_ACS_15_19	Margin of error for the percentage of all ACS housing units that do not have complete plumbing facilities	Housing Units	ACS	
333	pct_Recent_Built_HU_ACS_15_19	Percentage calculated by dividing Recent_Built_HU_ACS_15_19 by Tot_Housing_Units_ACS_15_19	The percentage of all ACS housing units that are in a building that was constructed in 2010 or later	Housing Units	ACS	
334	pct_Recent_Built_HU_ACSMOE_15_19	MOE - Percentage calculated by dividing Recent_Built_HU_ACS_15_19 by Tot_Housing_Units_ACS_15_19	Margin of error for all ACS housing units that are in a building that was constructed in 2010 or later	Housing Units	ACS	
335	avg_Agg_House_Value_ACS_15_19	Average aggregate value (in dollars) in the ACS	The average aggregate value of an owner-occupied ACS housing unit (in dollars). This is calculated by dividing the sum of all value estimates for owner-occupied ACS housing units in an area by the number of owner-occupied ACS housing units.	Housing Units	ACS	
336	avg_Agg_House_Value_ACSMOE_15_19	MOE - Average aggregate value (in dollars) in the ACS	Margin of error for the average aggregate value of an owner-occupied ACS housing unit	Housing Units	ACS	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
337	pct_TEA_MailOutMailBack_CEN_2010	Percentage calculated by dividing TEA_Mail_Out_Mail_Back_CEN_2010 by MailBack_Area_Count_CEN_2010	The percentage of addresses from which a Census form was expected to be delivered for mail return that were in a Mailout/Mailback type of enumeration area in the 2010 Census. These are addresses that received a census form in the mail and occupants were instructed to complete and mail it back.	Addresses	2010 Census	
338	pct_TEA_Update_Leave_CEN_2010	Percentage calculated by dividing TEA_Update_Leave_CEN_2010 by MailBack_Area_Count_CEN_2010	The percentage of addresses from which a Census form was expected to be delivered for mail return that were in an Update/Leave type of enumeration area in the 2010 Census. These are addresses where a census form was hand-delivered and occupants were instructed to complete and mail it back.	Addresses	2010 Census	
339	pct_Census_Mail_Returns_CEN_2010	Percentage calculated by dividing Census_Mail_Returns_CEN_2010 by MailBack_Area_Count_CEN_2010	The completed 2010 Census mail forms received from addresses in a mailback type of enumeration area (Mailout/Mailback and Update/Leave areas) out of all addresses from which a Census form was expected to be delivered for mail return	Addresses	2010 Census	
340	pct_Vacants_CEN_2010	Percentage calculated by dividing Vacants_CEN_2010 by MailBack_Area_Count_CEN_2010	The percentage of addresses in a 2010 Census mailback area that were confirmed as vacant housing units (Mailout/Mailback and Update/Leave areas)	Addresses	2010 Census	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
341	pct_Deletes_CEN_2010	Percentage calculated by dividing Deletes_CEN_2010 by MailBack_Area_Count_CEN_2010	The percentage of addresses in a 2010 Census mailback area deleted because it was determined to not correspond to a valid housing unit (Mailout/Mailback and Update/Leave areas)	Addresses	2010 Census	
342	pct_Census_UAA_CEN_2010	Percentage calculated by dividing Census_UAA_CEN_2010 by MailBack_Area_Count_CEN_2010	The percentage of addresses in a 2010 Census Mailout/Mailback area where the initial mail form was returned to the Census with the postal code "Undeliverable as Addressed"	Addresses	2010 Census	
343	pct_Mailback_Count_CEN_2010	Percentage calculated by dividing Valid_Mailback_Count_CEN_2010 by MailBack_Area_Count_CEN_2010	The total number of addresses at the start of 2010 Census operations where a Census form was expected to be delivered for mail return to Census minus the number of vacant addresses, the number of deleted addresses, and the number of addresses where the initial mail form was returned to the Census with the postal code "Undeliverable as Addressed," all divided by the number of addresses in a 2010 Census mailback area	Addresses	2010 Census	
344	pct_FRST_FRMS_CEN_2010	Percentage calculated by dividing FRST_FRMS_CEN_2010 by MailBack_Area_Count_CEN_2010	The percentage of all addresses in a 2010 Census mailback area for which the first Mailout/Mailback form mailed was completed and returned	Addresses	2010 Census	

Var. #	Variable Name	Label	Definitions	Unit Level	Source	Denominator note
345	pct_RPLCMNT_FRMS_CEN_2010	Percentage calculated by dividing RPLCMNT_FRMS_CEN_2010 by MailBack_Area_Count_CEN_2010	The percentage of all addresses in a 2010 Census mailback area for which the replacement Mailout/Mailback form mailed was completed and returned	Addresses	2010 Census	
346	pct_BILQ_Mailout_count_CEN_2010	Percentage calculated by dividing BILQ_Mailout_count_CEN_2010 by MailBack_Area_Count_CEN_2010	The percentage of all addresses in a 2010 Census mailback area that received the 2010 Census English/Spanish bilingual Mailout/Mailback form	Addresses	2010 Census	

Appendix A. Margin of Error Calculations and Nonsampling Error

The 2021 PDB provides ACS small area estimates that are easily accessible by a wide range of users. It is important to note that these small area estimates are *estimates*, with accompanying sampling error. The Margin of Error (MOE) for any estimate needs to be considered when using any single estimate, as it provides the best indicator of the variability across units within the estimate. There are various accepted formulas for calculating MOEs. An advisory group in the development of the Tract PDB decided to use the formula noted in *A Compass for Understanding and Using American Community Survey Data: What General Data Users Need to Know* (<https://www.census.gov/content/dam/Census/library/publications/2008/acs/ACSGeneralHandbook.pdf>) for calculating MOEs from grouped summary data.

A review of the coefficients of variation (which measure the standard deviation of an estimate relative to the mean) reveals those estimates with a large CV, which suggests a less reliable estimate. Generally, small sample sizes are more prone to large MOEs, which in turn lead to larger CVs. The small sample can be the result of a characteristic of low incidence in the population or the result of subpopulations within a population.

As a result, we caution against taking any single estimate with a large MOE as absolute. The key is that unstable estimates should not be used for decisions about individual tracts. We recognize the importance of small area data to aid in planning and operational activities. However, we make these data available for summing to higher levels of geography where the data can be useful, such as Census Designated Places, Local Census Offices, or any collection of tracts that bear on the activity at hand. We ask that the user of the block group data note the limitations of the estimates to those who may be using the data for decision purposes.

The margin of error around an estimate is important because it helps data users draw conclusions about the reliability of the data. Small differences between two estimates may not be statistically significant if the confidence intervals of those estimates overlap. However, the Census Bureau cautions data users not to rely on overlapping confidence intervals as a test for statistical significance, because this method will not always produce accurate results. Instead, the Census Bureau recommends following the detailed instructions for conducting statistical significance tests in Appendix 4 of *A Compass for Understanding and Using American Community Survey Data: What General Data Users Need to Know* (<https://www.census.gov/content/dam/Census/library/publications/2008/acs/ACSGeneralHandbook.pdf>).

In some cases, data users will need to construct custom ACS estimates by combining data across multiple geographic areas or population subgroups, or it may be necessary to derive a new percentage, proportion, or ratio from published ACS data. In such cases, additional calculations are needed to produce confidence intervals and margins of error for the derived estimates. Appendix 3 of *A Compass for Understanding and Using American Community Survey Data: What General Data Users Need to Know*

(<https://www.census.gov/content/dam/Census/library/publications/2008/acs/ACSGeneralHandbook.pdf>) provides detailed instructions on how to make these calculations. Please note that published margins of error, when available, should always be used over calculated measures of error.

Note that these error measures do not tell us about the magnitude of nonsampling errors. To learn more about nonsampling error in the 2010 Census, please see Chapter 7 of *2010 Census Summary File 2: Technical Documentation* (www.census.gov/prod/cen2010/doc/sf2.pdf). To learn more about nonsampling error in the 2015 – 2019 ACS, please see the section titled “Control of Nonsampling Error” in *American Community Survey Multiyear Accuracy of the Data (5-year 2015-2019)*: (https://www2.census.gov/programs-surveys/acs/tech_docs/accuracy/MultiyearACSAccuracyofData2019.pdf).

Appendix B. Calculating Response Rates

The mail response rate for the 2010 census was calculated in the following way:

$$\text{Mail Response Rate} = \frac{\text{Unduplicated Nonblank Mail Returns}}{\text{Mailback Universe}} \times 100$$

The 2010 mail response rate included housing units who had a valid mail return in the form of a paper mail return, a Be Counted form, or a Telephone Questionnaire Assistance return. While the official 2010 mail response rates cannot be calculated from the Planning Database, users who wish to approximate the response rate can use the following variables from the Planning Database:

- “Unduplicated Nonblank Mail Returns” corresponds to the variable Census_Mail_Returns_CEN_2010 in the PDB. It represents all of the housing units that returned a paper mail form.
- “Mailback Universe” corresponds to the variable Mailback_Area_Count_CEN_2010 in the PDB. It represents all housing units that are in an area that was sent a mail form.

The mail return rate can be calculated in the following way:

$$\text{Mail Return Rate} = \frac{\text{Unduplicated Nonblank Mail Returns}}{\text{Mailback Universe} - (\text{Vacants} + \text{UAAs} + \text{Deletes})} \times 100$$

- “Unduplicated Nonblank Mail Returns” corresponds to the variable Census_Mail_Returns_CEN_2010 in the PDB (variable 178). It represents all of the housing units that returned a mail form.
- “Mailback Universe” corresponds to the variable Mailback_Area_Count_CEN_2010 in the PDB (variable 175). It represents all housing units that are in an area that were sent a mail form.
- “Vacants” corresponds to the variable Vacants_CEN_2010 in the PDB (variable 179). It represents all housing units that were sent a mail form but that were later confirmed to be vacant.
- “UAAs” corresponds to the variable Census_UAA_Cen_2010 (variable 181). It represents all mail form that were returned to the Census Bureau because they were identified as undeliverable as addressed.
- “Deletes” corresponds to the variable Deletes_CEN_2010 in the PDB (variable 180). It represents all housing units that were deleted for reasons other than being vacant or undeliverable as addressed.

Appendix C. Key Estimates of the Planning Database

Eighteen variables were identified as key estimates of the 2021 PDB. Some of these variables are used to calculate the LRS, while others are newer variables that may be of interest to users. To assess the quality of these estimates, the median coefficient of variation and the median item nonresponse rate were calculated. The results are presented in the following table. Of the 18 variables, 11 have a median coefficient of variation below 30.00, and all but two applicable variables have a median item missing rate below 30.00.

Variable Number	Estimate Name	Definitions	Median Coefficient of Variation	Median Item Missing Rate
75	College_ACS_15_19	Number of people ages 25 years and over at the time of interview with a college degree or higher in the ACS population	26.2	7.4
79	Prs_Blw_Pov_Lev_ACS_15_19	Number of people classified as below the poverty level given their total family income within the last year, family size, and family composition in the ACS population	48.8	*
105	MrdCple_Fmly_HHD_ACS_15_19	Number of ACS households in which the householder and his or her spouse are listed as members of the same household; does not include same-sex married couples	21.0	*
114	NonFamily_HHD_ACS_15_19	Number of ACS households where a householder lives alone or with nonrelatives only; includes same-sex couples where no relatives of the householder are present	27.8	*
117	Sngl_Prns_HHD_ACS_15_19	Number of ACS households where a householder lives alone	31.2	*
126	Rel_Child_Under_6_ACS_15_19	Number of ACS families with related children under 6 years old	50.8	*
132	Med_HHD_Inc_BG_ACS_15_19	Median ACS household income for the block group	16.8	34.9
134	Med_HHD_Inc_TR_ACS_15_19	Median ACS household income for the tract	9.4	34.9
148	Renter_Occp_HU_ACS_15_19	Number of 2010 Census occupied housing units that are not owner occupied, whether they are rented	30.8	0.0

		or occupied without payment of rent		
149	Owner_Occp_HU_ACS_15_19	Number of ACS housing units where owner or co-owner lives in it	16.0	0.0
151	Single_Unit_ACS_15_19	Number of ACS housing units in which the structure contains only that single unit	14.8	0.0
153	MLT_U2_9_STRC_ACS_15_19	Number of ACS housing units in which the structure contains 2 or more housing units	47.9	0.0
155	MLT_U10p_ACS_15_19	Number of ACS housing units in which the structure contains 10 or more housing units	45.2	0.0
167	Med_House_Value_BG_ACS_15_19	Median of ACS respondents' house value estimates for the block group	8.6	8.7
169	Med_House_value_tr_ACS_15_19	Median of ACS respondents' house value estimates for the tract	5.3	9.7
79	One_Health_Ins_ACS_15_19	Number of people with one type of health insurance coverage in the ACS	15.2	Not available
81	Two_Plus_Health_Ins_ACS_15_19	Number of people with two or more types of health insurance coverage in the ACS	27.9	Not available
83	No_Health_Ins_ACS_15_19	Number of people with no health insurance coverage in the ACS	49.6	Not available

		or occupied without payment of rent		
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* - No item missing rate could be calculated directly for these estimates. These items are composed of multiple questions from the ACS. We examined the item missing rate of questions that compose these estimates (age, sex, relationship, marital status), and none were above 2.00.

Appendix D. Changes to Geography

Geographic numbering and definitions can change over time. Generally, major changes to geographic boundaries are made during the decennial census, but errors in boundary definitions or numbering may lead to updates in the intervening years. The census tract changes in Madison and Oneida Counties in New York are the result of corrections to the Oneida American Indian Reservation boundary after the 2010 Census tract definitions had been finalized. The change to the census tracts in Richmond County, New York, corrects a tract boundary definition error. There are tract numbering corrections to seven census tracts in Pima County, Arizona. In addition, one deleted census tract is restored in Los Angeles County, California, eliminating one 2010 tract and changing the geographic definition of another census tract involved.

There are no additional changes to geography in the 2021 PDB. Changes to geography that were made in the previous vintages are carried over and are described below. Tracts that were simply renumbered since the 2010 Census have been renumbered in the PDB files. This applies to the following tracts:

- Pima County, Arizona
 - Census Tract 27.01 is now 27.04
 - Census Tract 29.03 is now 29.06
 - Census Tract 4105.01 is now 41.18
 - Census Tract 4105.02 is now 41.21
 - Census Tract 4105.03 is now 41.25
 - Census Tract 4704.00 is now 52.00
 - Census Tract 4705.00 is now 53.00
- Madison County, New York
 - Census Tract 9401.01 is now 0301.01
 - Census Tract 9401.02 is now 0301.02
 - Census Tract 9401.03 is now 0301.03
 - Census Tract 9402.00 is now 0302.00
 - Census Tract 9403.00 is now 0303.00
 - Census Tract 9404.01 is now 0304.01
 - Census Tract 9404.03 is now 0304.03
 - Census Tract 9406.00 is now 0306.00
 - Census Tract 9407.00 is now 0304.02
- Oneida County, New York
 - Census Tract 9400.00 is now 0248.00
 - Census Tract 9401.00 is now 0247.00
- Richmond County, New York: Census Tract 0089.00 merged into Census Tract 0097.00. The area merged into Census Tract 0097.00 is entirely water.
- Bedford City, Virginia, formerly an independent city (county equivalent), was absorbed as a municipality within Bedford County, Virginia. Its former FIPS State and County codes 51-515

have ceased to exist and are now 51-019, but the corresponding tract and block group designations remain the same.

In the 2016 PDB, geographical units that were redefined since the 2010 Census have both 2010 geography and current geography. Because the geographical boundaries have changed, we cannot match the 2010 Census estimates, which are based on 2010 geography, with the 2013-2017 ACS estimates, which are based on 2014 geography. Thus, in the 2016 PDB, the affected block groups each have a record for the 2010 Census data and a record for the 2013-2017 ACS data. This applies to the following areas:

- Petersburg Census Area, Alaska had a legal status change resulting in a name change to Petersburg Borough, Alaska. This change also involved reassignment of some territory with neighboring areas as described below:
 - Hoonah-Angoon Census Area, Alaska, Census Tract 0003.00, Block Group 3 lost a portion of territory to Petersburg Borough, Alaska, Census Tract 0002.00, Block Group 4
 - Prince of Wales-Hyder Census Area, Alaska, Census Tract 0001.00, Block Group 1 gained a portion of territory from Petersburg Borough, Alaska, Census Tract 0002.00, Block Group 4.
- Los Angeles County, California: The deletion of Census 2000 Tract 1370.00 is now corrected, and the tract is reinstated with its former boundaries.
 - Census Tract 1370.00, Block Group 1 now contains portions of former Census Tract 9304.01, Block Group 1
 - Census Tract 1370.00, Block Group 2 now contains portions of former Census Tract 9304.01, Block Group 1 and all of Census Tract 8002.04, Block Group 3
- Leon County, Florida: Census Tract 25.13, Block Group 1 now contains portions of Census Tract 25.10, Block Group 3
- Volusia County, Florida: Census Tract 908.03, Block Group 3 now contains part of Census Tract 907.02, Block Group 4
- Oneida County, New York
 - Census Tract 9402.00 is now 0249.00
 - Census Tract 0249.00, Block Group 1 now contains part of Census Tract 0230.00, Block Group 2
 - Census Tract 0249.00, Block Group 3 now contains part of Census Tract 0230.00, Block Group 2
- Okmulgee County, Oklahoma: Census Tract 1, Block Group 2 now contains parts of Census Tract 5, Block Group 1.

The Census Bureau discovered geocoding errors in the 2010 Census that affected 2010 Census data products, including the Summary File 1, which is the source of the 2010 Census values in the 2014 PDB. These geocoding errors resulted in some people in a small number of blocks to be placed in the incorrect block. Since the 2010 Census values in the 2014 PDB do not include corrections to the misgeocoded persons but the 2008-2012 ACS estimates do have corrected geocoding, we cannot

match the 2010 Census estimates with the 2008-2012 ACS estimates. Thus, in the 2014 PDB, the affected block groups each have a record for the 2010 Census data and a record for the 2008-2012 ACS data. This applies to the following areas:

- Norfolk City, Virginia: Military ships that should belong in Census Tract 0009.02, Block Group 1, were incorrectly placed in Census Tract 0038.00, Block Group 1
- New London County, Connecticut: Military ships that should belong in Census Tract 9800.00, Block Group 1, were incorrectly placed in Census Tract 7026.00, Block Group 1
- Strafford County, New Hampshire: Military ships that should belong in Census Tract 0691.00, Block Group 1, were incorrectly placed in Census Tract 0650.07, Block Group 1
- Snohomish County, Washington: Military ships that should belong in Census Tract 0401.00, Block Group 4, were incorrectly placed in Census Tract 0404.00, Block Group 3

For more information on changes to geography, please see *2010 Census Geography Notes* (http://www2.census.gov/geo/pdfs/reference/Geography_Notes.pdf) and *Notes and Errata* (<http://www.census.gov/prod/cen2010/notes/errata.pdf>).

Appendix E. Changes to ACS Variables

ACS variable names and definitions can change over time. The Census Bureau provides detailed tables for all ACS 5-year estimates, and several new or modified tables were provided for the 2015-2019 ACS 5-year estimates. As a result, four ACS variables in the 2021 PDB changed in name and definition from previous versions of the PDB. Prior to the 2015-2019 ACS, these were named with the prefix “Female_No_HB,” defined to capture ACS households with a female householder and no *husband* of householder present. These four variables reflected the number of households meeting these criteria, the margin of error of this number, the percentage of all ACS occupied households meeting these criteria, and the margin of error of this percentage.

For the 2015-2019 ACS, these four variables were renamed with the prefix “Female_No_SP,” and changed in definition to capture ACS households with a female householder and no *spouse* of householder present. While the former variables captured households with a female householder if they did not have a male spouse (“husband”) present, the latter variables captured households with a female householder if they did not have any spouse present, without regard to gender.

Other new or modified tables were provided by the Census Bureau for the 2015-2019 ACS, but these did not impact the 2021 PDB. For a full description of the 2015-2019 ACS 5-year estimates and the new, modified, or deleted tables, please see technical documentation located at <https://www.census.gov/programs-surveys/acs/technical-documentation/table-and-geography-changes/2019/5-year.html>.